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LISTS OF SPECIES

Marine and coastal biodiversity of Oaxaca, Mexico

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ABSTRACT: The state of Oaxaca in southern Mexico harbors the highest faunistic and floristic biodiversity of the region; however, to date, research effort has focused on terrestrial flora and fauna. Despite this bias, there is a large amount of dispersed information regarding the coastal and marine biodiversity of Oaxaca. The present study aimed to: 1) update and synthesize existing information to improve understanding of coastal and marine biodiversity; and 2) provide a baseline for future biodiversity studies in Oaxaca. The review of 198 references about Oaxaca's flora and fauna produced 2,157 species records, from 15 taxonomic groups (Division, Phyla or Class). Nevertheless, knowledge about the fauna and flora of Oaxaca remains scarce compared to other regions, such as the Gulf of California. Additionally, floristic and faunistic knowledge is heterogeneous among the taxonomic groups; for instance, 242 (11.2%) species represent macroalgae, three invertebrate groups (annelids, crustaceans and mollusks) represent about 44.0% (949 species) of all species recorded, while the vertebrates are represented by 762 species (35.3%). Similarly, many invertebrate groups recorded in adjacent regions have not yet been recorded on the Oaxaca coast, including some platyhelminthes, rotifers, nematodes, oligochaetes, sipunculids, echiurans, tardigrades, pycnogonids, some crustaceans, brachiopods, chaetognaths, ascidians and cephalochordates. The study of the marine flora and fauna is far from finished; additional effort is required to complete the marine biodiversity inventory of Oaxaca.

INTRODUCTION

The state of Oaxaca in southern Mexico (Figure 1) is known to harbor the highest continental faunistic and floristic biodiversity in Mexico (González-Pérez *et al.* 2004). While the terrestrial biodiversity of Oaxaca is well-established, overall knowledge is highly asymmetric when we compare the amount of work in this region devoted to terrestrial flora and fauna with that dedicated to coastal and marine environments. In fact, the most recent publication summarizing knowledge of the biodiversity of Oaxaca focuses exclusively on terrestrial flora and fauna (*cf.* García-Mendoza *et al.* 2004).

In parallel, along with the relative absence of studies on the coastal and marine environments of Oaxaca, studies among taxonomic groups are not homogeneous: some taxa have been studied more intensively and for longer than others. Some of the main taxonomic groups that have been studied include macroalgae (Fragoso and Rodríguez 2002; Ávila-Ortiz 2003; Mateo-Cid *et al.* 2005; 2008; Aguilar-Rosas *et al.* 2009; Mateo-Cid and Mendoza-González 2009), corals (Glynn and Leyte-Morales 1997; Leyte-Morales 1997; Reyes-Bonilla and Leyte-Morales 1998; Cruz-Piñón and Reyes-Bonilla 1999), polychaetes (Fernández-Álamo 1987; González-Ortiz *et al.* 1996; 1997; Gómez *et al.* 1997; Bastida-Zavala and ten Hove 2003; Bastida-Zavala 2008; Ruiz-Cancino *et al.* 2011), crustaceans (Howard 1952; Garth 1959; 1961; Villallobos-Figueroa 1967; Haig 1968; Luke 1977; Sosa-Hernández *et al.* 1980; Villalobos-Hiriart and Nates-Rodríguez 1990; Carvacho and Haasmann 1984; Hendrickx *et al.* 1997; Hendrickx and Vázquez-Cureño 1998; Barbosa-Ledesma *et al.* 2000; Ramírez-Luna *et al.* 2002; Ayón-Parente and Hendrickx 2007; 2009; García-Madrigal 2010; García-Madrigal and Andreu-Sánchez 2010; Jarquín-González and García-Madrigal 2010), mollusks (Rodríguez-Palacios *et al.* 1988; Holguín-Quiñones and González-Pedraza 1989; de León-Herrera 2000; Ramírez-González and Barrientos-Luján 2007; Zamorano *et al.* 2008, 2010; Ríos-Jara *et al.* 2009; Reyes-Gómez *et al.* 2010), echinoderms (Benítez-Villalobos 2001; Zamorano *et al.* 2006; Benítez-Villalobos *et al.* 2008), fish (Chávez 1979; Castro-Aguirre 1982; Tapia-García *et al.* 1995; 1998; Castro-Aguirre

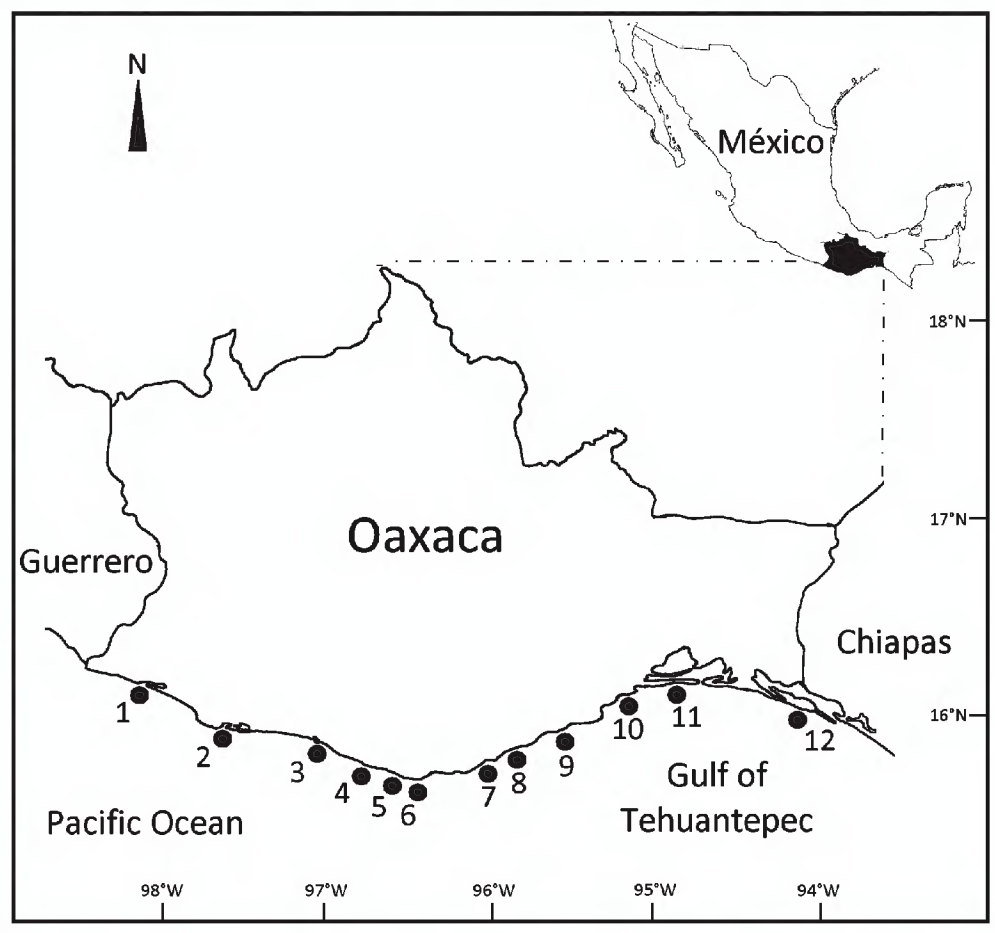

FIGURE 1. Location of Oaxaca State in southern Mexico and main sites mentioned in the text: 1) Corralero Lagoon; 2) Chacahua-Pastoria Lagoon; 3) Puerto Escondido; 4) Agua Blanca; 5) Ventanilla-Mazunte; 6) Puerto Ángel; 7) Huatulco Bays; 8) Barra de la Cruz; 9) Morro Ayuta; 10) Salina Cruz; 11) Huave Lagoon System; 12) Mar Muerto.

and Espinosa-Pérez 1996; Tapia-García and Gutiérrez-Díaz 1998; Castro-Aguirre *et al*. 1999; Espinosa-Pérez *et al*. 2004; Tapia-García and Mendoza-Rodríguez 2005; Ramírez-Gutiérrez *et al*. 2007; Robertson and Allen 2008; López-Pérez *et al*. 2008, 2010, 2012; Mendoza-Vallejo *et al*. 2009), reptiles (Meraz-Hernando and Ávila-Nahón 2006; García-Grajales *et al*. 2007), coastal birds (Meraz-Hernando 2001; Navarro-Sigüenza *et al*. 2004; Meraz-Hernando and González-Bravo 2005), and marine mammals (Meraz-Hernando and Sánchez-Díaz 2008).

While a range of faunal prospecting has been undertaken in the area (Holguín-Quiñones and González-Pedraza 1989), these surveys have focused solely on specific localities or environments along the Oaxacan coast. For example, the rocky substrates of Huatulco, Puerto Ángel and Agua Blanca have been studied by Gómez *et al*. (1997), Fragoso and Rodríguez (2002) and Zamorano *et al*. (2006; 2008). In addition, pelagic waters have been studied by Fernández-Álamo (1987; 2000; 2002), while the soft bottoms of the continental shelf of the Gulf of Tehuantepec were prospected by Gamboa-Contreras and Tapia-García (1998) and Ríos-Jara *et al*. (2009). Meanwhile, floristic studies have focused on littoral and sublittoral rocky substrates; the sites that have been most extensively studied include Santa Elena (León-Tejera *et al*. 1993), Huatulco Bays (Mendoza-González and Mateo-Cid 1998), Salina Cruz (Galindo-Villegas *et al*. 1997), and the Huave Lagoon System (Dreckmann 1999). In contrast, there are several environments that have not been studied at all. For example, except for some records of polychaetes (Fauchald 1972), there is no information about the soft bottoms of most of the beaches of Oaxaca, nor of the deep-sea environments (over 200 m depth), particularly regarding the meiofauna (Bastida-Zavala and Guevara-Cruz 2012). In addition, there is a lack of knowledge about the symbiotic relationships between the shallow-water invertebrates or parasites of fish, birds, and marine mammals.

It is remarkable that several invertebrate groups in Oaxaca have scarcely been studied or are even completely unknown. For instance, benthic hydrozoans, flatworms, rotifers, entoprocts (or kamptozoans), nemerteans, nematodes, sipunculids, echiurans, copepods, bryozoans and ascidians are practically unrecorded in Oaxaca. The study of some of these groups should in fact be mandatory, since some of them comprise the main components of bio-fouling fauna (*e.g.*, sponges, benthic hydrozoans, entoproctos, amphipods, bryozoans and ascidians), and therefore have a high potential to be non-native invasive species (Okolodkov *et al*. 2007).

Based on these accounts, it is clear that there is a major information gap in knowledge about the coastal and marine biodiversity of Oaxaca. The aim of the present study was therefore twofold: 1) to update and synthesize available information to improve understanding of the biodiversity of the region, and 2) to use this information as a baseline for future studies in Oaxaca.

Materials and Methods

Information was mainly gathered from 198 primary references that had been formally published as papers and monographs. Unpublished databases, technical reports and theses were avoided. In general, the taxonomic information was found to be of varying quality, depending on the taxonomic group. However, all taxa names were checked in the World Register of Marine Species (WoRMS, Appeltans *et al*. 2012), Integrated Taxonomic Information System (ITIS 2012), Smithsonian Tropical Research Institute (STRI, Robertson and Allen 2008), American Museum of Natural History (AMNH, Frost 2012) and American Ornithologists' Union checklist (AOU 1998) and subsequent supplements (AOU 2000; Banks *et al*. 2002; 2004; 2006; 2007; 2008; Chesser *et al*. 2010). Questionable names were noted on the type localities.

Results and Discussion

A total of 2,157 species belonging to two divisions of the Kingdoms Plantae and Chromista, and ten Phyla of the Kingdom Animalia were recorded along the coastal and marine environments of Oaxaca (Table 1).This is clearly a smaller number of species when compared to the 3,112 terrestrial arthropods or the 1,431 vertebrates recorded for Oaxaca (González-Pérez *et al*. 2004).

Although the marine mammals have a relatively low species richness along the coast of Oaxaca, it is nonetheless higher than in the Gulf of Mexico or the Caribbean (Aguayo-Lobo *et al*. 1990). Reptile richness is also higher than the rest of the country, and is high in comparison to other parts of the world (CONABIO 1998). On the other hand, aquatic birds are poorly represented in Oaxaca in comparison to other regions of Mexico and abroad, possibly due to the absence of breeding areas and endemism (González-Bravo and Meraz-Hernando 2010).

The best-represented group is the fish, with 594 species (27.5%), followed by mollusks (462 species, 21.4%), crustaceans (265, 12.3%), macroalgae (242, 11.2%) and annelids (222, 10.3%). In comparison, sponges (17 species, 0.8%), flatworms (8, 0.4%), nemerteans and bryozoans (1 species each, 0.1%) are the least represented marine invertebrates in Oaxaca (Table 1).

The differential effort given to taxonomic groups is evident in the records derived from published papers. For example, while macroalgae, cnidarians, annelids, crustaceans and mollusks appeared in 152 papers, the remaining taxa have been recorded in less than 50 publications. Meanwhile, many groups have not yet been recorded on the coast of Oaxaca. For example, some flatworms (turbellarians and cestods), rotifers, nematodes, oligochaetes, sipunculids, echiurans, tardigrades, pycnogonids, some crustaceans (branchiopods, mysids, cumaceans and ostracods), brachiopods, chaetognaths, ascidians and cephalochordates remain unrecorded.

The coastal/marine flora and fauna of Oaxaca has a low species richness in comparison to other relatively well-known ocean basins in Mexico (Table 2). For example, Oaxaca possesses only 33.5% of the species richness recorded in the Gulf of California (Hendrickx *et al*. 2005), but ~22% of that in the Gulf of Mexico (Felder and Camp 2009). Such differences might not only arise because of heterogeneity in the studies conducted in Oaxaca in comparison with the Gulf of California and Gulf of Mexico (Hendrickx *et al*. 2005; Felder and Camp 2009 and references therein), but also as a result of differences in basin size: Oaxaca represents only 10% and 1% of the littoral area of the Gulf of California and the Gulf of Mexico,

respectively.

Background problems in knowledge about marine biodiversity

Species from most taxonomic groups were recorded near major towns or harbors, such as Puerto Escondido, Puerto Angel, Bahias de Huatulco and Salina Cruz, while the floral and faunal composition of extensive areas of shallow littoral habitats, the continental shelf and the deep sea of Oaxaca remain understudied (López-Pérez *et al.* 2012).

Fish may be an exception, because they have been recorded in several habitats, including coral reefs, coastal lagoons, the continental shelf and the deep sea. Records from coastal lagoons relate to Chacahua-Pastoria (Mendoza-Vallejo *et al.* 2009), Mar Muerto (Chávez 1979; Tapia-García *et al.* 1998), and the Huave Lagoon System (Castro-Aguirre 1982; Tapia-García and Mendoza-Rodríguez 2005). However, there is still no data for the Corralero and Mar Tileme lagoons. In addition, there is a lack of information on near-shore coastal fish from southeastern Oaxaca (Armenta to Salina Cruz).

A differential effort is evident in the records of species from the studied groups. For example, while records for macroalgae, crustaceans, and mollusks were published from the second half of the 19th century, studies of the remaining groups began to appear in the early or late 20th century. A problem associated with older records is that they were based on species diagnoses that may have since been updated. To resolve this issue, it is necessary to evaluate the voucher material. Nevertheless, several references that include new records lack voucher collection numbers, contrary to what has been recommended as a result of recent initiatives (*e.g.*, Salazar-Vallejo *et al.* 2007).

Taxonomic re-evaluations of several taxa would also improve the accuracy of the analysis of the marine species richness of Oaxaca. For example, the recent reevaluation of several Genera of macroalgae (*e.g.*, Riosmena-Rodríguez *et al.* 2009) in the Gulf of California has demonstrated that species richness there had been overestimated. In the same way, the revision of serpulid polychaetes from the Eastern Pacific (Bastida-Zavala 2008) has led to a reduction in the number of species recorded. In addition, an update of the taxonomy of the mollusk bivalves is recommended based on recent publications (*e.g.*, Coan and Valentich-Scott 2012).

Table 1. Number of species recorded by taxonomic group in Oaxaca. Taxa with coastal, freshwater and/or terrestrial species, plus marine species, are marked with an asterisk (*). In fish, amphidromus and catadromus species were considered. In the case of reptiles and birds, only species associated with, or living, in adjacent areas to, aquatic bodies were considered. The rest of the taxa are exclusively marine groups. The number of references consulted was included.

Taxa	Number of species	%	References consulted
Macroalgae	242	11.2	15
Sponges	17	0.8	9
Cnidarians	118	5.5	25
Flatworms	8	0.4	4
Nemerteans	1	0.1	1
Annelids	222	10.3	30
Crustaceans*	265	12.3	68
Mollusks	462	21.4	14
Bryozoans	1	0.1	2
Echinoderms	59	2.7	12
Fish*	594	27.5	11
Amphibian and reptilian*	37	1.7	1
Birds*	120	5.6	2
Mammals*	11	0.5	4
Total	**2,157**		**198**

Checklists

The information for each major group, at the Phylum or Class level, together with a checklist of the species recorded in Oaxaca, is summarized in the following sections. The adopted classification scheme is stated for each group. For practical purposes species and supra-specific taxa are presented in a strictly alphabetical arrangement.

Macroalgae

Kingdoms Plantae and Chromista

A historical overview of the phycological studies focused on Oaxaca State from 1847 to 1994 has been provided by León-Álvarez and González-González (1993) and León-Tejera and González-González (1993). These authors also present the first macroalgal checklists for the region, listing a total of 178 species from 21 localities using both historical records and new collected samples. The present checklist represents an updated version based on published records (León-Tejera *et al.* 1993; Galindo-Villegas *et al.* 1997; Mateo-Cid and Mendoza-González 1997; Mendoza-González and Mateo-Cid 1998; 1999; Dreckmann 1999; Lara-Isassi *et al.* 2000; Fragoso

Table 2. Comparison of the number of species by selected taxonomic group in the Gulf of California, Gulf of Mexico, and Oaxaca. Sources: 1) Hendrickx *et al.* (2005); 2) Felder and Camp (2009); 3) Brusca *et al.* (2005); 4) Solís-Marín *et al.* (2005); 5) Guiry and Guiry (2010); 6) Fredericq *et al.* (2009).

Taxa	Oaxaca 15,000 km²	Gulf of California [1] 160,000 km²	% in relation to the Gulf of California	Gulf of Mexico [2] 1,600,000 km²	% in relation to the Gulf of Mexico
Fish	594	891 [3]	66.7%	1,541	38.6%
Mollusks	462	2,193	21.1%	2,445	18.9%
Crustaceans	265	1,025	25.9%	1,967	13.4%
Macroalgae	242	320 [5]	75.6%	673 [6]	36.0%
Annelids	222	713	31.1%	854	26.0%
Cnidarians	118	253	46.6%	327	36.1%
Echinoderms	59	193 [4]	30.6%	522	11.3%
Sponges	17	85	20.0%	339	5.0%
Bryozoans	1	168	0.6%	266	0.4%
Total	**1,980**	**5,910**	**33.5%**	**8,934**	**22.2%**

and Rodríguez 2002; Ávila-Ortiz 2003; Mateo-Cid *et al.* 2005; 2008; Aguilar-Rosas *et al.* 2009; Mateo-Cid and Mendoza-González 2009). In total, 242 species were found (30 Orders, 50 Families and 103 Genera) (Table 3) and reported from 16 new localities that were not referred to in the previous accounts of León-Álvarez and González-González (1993) and León-Tejera and González-González (1993). The current names were included in the checklist, while synonymous names, according to Guiry and Guiry (2010), were avoided.

Most of the species records in the region were the result of floristic studies. Taxonomic accounts revising recent and historical material, including analysis of information about type material, have been published for species from just 14 Genera (Dreckmann 1999; Fragoso and Rodríguez 2002; Ávila-Ortiz 2003; Mateo-Cid *et al.* 2005; Mateo-Cid and Mendoza-González 2009). Finally, the real marine macroalgae biodiversity in Oaxaca is still unknown, and will not be resolved until taxonomic evaluations and the revision of voucher specimens are completed.

Kingdom Animalia

Porifera

The sponges are well studied in the Gulf of Mexico, the Caribbean (Gómez 2002), and the Gulf of California (Brusca 1980; Green and Gómez 1986; Gómez *et al.* 2002; Carballo *et al.* 2004; 2008a, b). However, studies are limited in number for this group in Oaxaca, and very recently new records of boring sponges have been reported for coral reefs. Only 17 sponge species of 11 Genera and eight Families (Table 4) have been recorded (Dickinson 1945; Gómez and Bakus 1992; Carballo *et al.* 2003; Bautista-Guerrero *et al.* 2006; Carballo *et al.* 2007; 2008a; Cruz-Barraza and Carballo 2008; Carballo and Cruz-Barraza 2010; Cruz-Barraza *et al.* 2011). Gamboa-Contreras and Tapia-García (1998) recorded 12 species from the continental shelf of the Gulf of Tehuantepec; most of the collection sites were however from Chiapas State.

Cnidaria

To date, 118 species of 74 Genera and 45 Families of cnidarians have been reported to occur along the coast of Oaxaca (Table 5). Of these, 74 belong to Hydrozoa, 41 to Anthozoa, and four to Scyphozoa. Species of Cubozoa have never been recorded.

The most extensively studied group of cnidarians in the Oaxaca area by far is Scleractinia. Topics as varied as the distribution (Leyte-Morales 1997; Glynn and Leyte-Morales 1997; Reyes-Bonilla and Leyte-Morales 1998; Cruz-Piñón and Reyes-Bonilla 1999; Reyes-Bonilla *et al.* 2005), species composition (López-Pérez *et al.* 2002; López-Pérez and Hernández-Ballesteros 2004), recruitment (López-Pérez *et al.* 2007), bioerosion (Herrera-Escalante *et al.* 2005), and biogeography (Reyes-Bonilla and López-Pérez 1998; Reyes-Bonilla and Cruz-Piñón 2000) of scleractinians have received the most attention. In particular, the basic nomenclature and distribution of stony coral species in the area is relatively well established (Reyes-Bonilla *et al.* 2005). However, new records of ahermatypic species are expected in the near future, as the bathymetric and geographic extent of ongoing studies widens to include currently unexplored areas. New records of hermatypic species are also expected to increase, although to a lesser extent, as unrecorded Central American coral species disperse into the Mexican Pacific area, as suggested by biogeographic studies (Ketchum-Mejía and Reyes-Bonilla 1997; Reyes-Bonilla and López-Pérez 1998), probably as a consequence of the prevailing current in the western Mexican Pacific (Kessler 2006).

In contrast to Scleractinia, less attention has been devoted to Hydrozoa, Scyphozoa (Fraser 1938a, b; 1948; Chávez 1979; Segura-Puertas 1984; Ocaña-Luna and Gómez-Aguirre 1999; Calder *et al.* 2009), and is absent for Cubozoa. In particular, the taxonomy of these groups has been poorly resolved in the area. For example, three out of 118 species were identified at the supraspecific level but were included because they represent Genera or Families with unique records (Luke 1998), whereas four species are of doubtful identity and require further investigation (*species inquirenda*) and two more taxa possess a name of unknown or doubtful application (*nomen dubium*). Concurrently, it is relevant that the 78 reported hydrozoan and scyphozoan species (Table 5) have been addressed in only eight papers, in contrast to the 14 published articles on scleractinians, in which only 41 species were reported. These observations indicate that there are potentially far more cnidarians on the coast of Oaxaca in addition to the stony corals. This finding presents a clear message to institutions and taxonomists that there still remain large unexplored areas, as well as the largely ignored cnidarian groups in the Mexican Pacific.

Platyhelmintes

The Phylum Platyhelmintes is poorly studied in Oaxaca. Only eight species from seven Genera and seven Families of flatworms have been recorded (Table 6). Of these, two species belong to the Class Monogenea and six to Trematoda (Manter 1937; Meserve 1938; Manter 1940; Gámez-Vivaldo *et al.* 2006). All these species are parasites of either marine fish or sea turtles. Free-living flatworms (Class Turbellaria) and parasitic flatworms of the Class Cestoda have never been recorded.

Nemertina

This group is poorly studied in the Mexican Pacific. Only one nemertean species (Table 7) has been recorded on the coast of Oaxaca (Coe 1940).

Annelida

The annelid fauna from Oaxaca has been the subject of limited study (Bastida-Zavala and Guevara-Cruz 2012). Only 222 species of 130 Genera and 42 Families, mostly of the Polychaete Class, have been recorded in 30 papers (Table 8). This number is limited compared to the over 700 species recorded in the Gulf of California (Hendrickx 2005). Most records were taken from extensive monographs, including Chamberlin (1919), Hartman (1939; 1940; 1941; 1944; 1950; 1961), Treadwell (1941), Rioja (1962), Fauchald (1968; 1970; 1972), Bastida-Zavala and ten Hove (2003) and Bastida-Zavala (2008). In addition, a few papers have focused on particular localities in Oaxaca, such as the studies by Gómez *et al.* (1997), Hernández-Alcántara *et al.* (2003) and Tovar-Hernández and Salazar-Vallejo (2008), or on the continental shelf of the Gulf of

Tehuantepec, including studies by Hernández-Alcántara *et al*. (1994), González-Ortiz *et al*. (1996; 1997), Hernández-Alcántara and Solís-Weiss (2000), Solís-Weiss *et al*. (2000) and Hernández-Alcántara *et al*. (2006). Other records were sourced from studies about pelagic polychaetes, such as Dales (1957), Fernández-Álamo (1987; 2000; 2002) and Fernández-Álamo and Sanvicente-Añorve (2005). Pelagic polychaetes comprise 20 species (9% of the polychaete records), with the remaining 201 species (91%) being benthic polychaetes.

Only two polychaete Families have been reviewed for the Oaxaca region: the Eunicidae and Serpulidae (Bastida-Zavala 2008; Ruiz-Cancino *et al*. 2011). The Eunicidae Family was the highest represented, with 21 species (9.5%), followed by Serpulidae with 18 species (8.1%), and Spionidae with 17 species (7.7%).

Some studies that include lists of species from the continental shelf of the Gulf of Tehuantepec, such as the study by Gamboa-Contreras and Tapia-García (1998), do not indicate whether species were recorded in Oaxaca or Chiapas States. These records were for this reason not included in the present checklist.

The previous list compiled by Salazar-Vallejo (1989) was the primary basis of this updated list. However, several species names (139 species, 62.9%) are questionable, either because the records have not yet been confirmed by experts, or because the names correspond to species from areas the distribution of which is at some distance from the Tropical Eastern Pacific (according to Hartman 1959; Salazar-Vallejo and Londoño-Mesa 2004; Bastida-Zavala 2008; de León-González *et al*. 2009; Ruiz-Cancino *et al*. 2011).

At least one species, *Hydroides sanctaecrucis* Krøyer *in* Mörch, 1863, is an exotic species (Bastida-Zavala 2008). Additionally, one record of a hirudinean ectoparasite of the olive ridley turtle, *Lepidochelys olivacea* (Eschscholtz, 1829), was included (Gámez-Vivaldo *et al*. 2006).

Crustaceans

Little is known about crustaceans in Oaxaca. Different checklists from the Tropical Eastern Pacific (*e.g.*, Hendrickx 1993; Hendrickx and Harvey 1999; García-Madrigal 2008) reveal a disparity between records from the Gulf of California and those from the Mexican South Pacific (García-Madrigal *et al*. 2012). A total of 265 species and 153 Genera from 72 Families were obtained, based on 68 references (Table 9). These records were gathered from two sources: 1) isolated records from monographs and papers mainly related to large expeditions (*e.g.*, Velero, Zaca, Searcher, Albatross Expeditions) from the Pacific Coast of America (Benedict 1903; Rathbun 1918; 1925; 1930; 1937; Maccagno 1928; Wilson 1937; Schmitt 1940; Holthuis 1952; Barnard 1954; Holthuis and Villalobos-Figueroa 1962; Garth 1958; 1959; 1961; 1966; Haig 1957; 1960; 1968; Garth and Stephenson 1966; Villalobos-Figueroa 1967; Efford 1971; Ball 1972; Manning 1972; Ball and Haig 1974; Glynn *et al*. 1975; Crane 1947; 1975; Luke 1977; Barnard and Barnard 1982; Wicksten 1978; 1983; 1984; Poore 1984; Pérez-Farfante 1985; Kim and Abele 1988; Brusca *et al*. 1992; Castro 1996); and 2) papers focused on ecology, fisheries, descriptions of new species or faunal studies of particular localities in Oaxaca (Howard 1952; Sosa-Hernández *et al*. 1980; Carvacho and Haasmann 1984; Hendrickx and Wicksten 1989; López-Cortés 1990; Villalobos-Hiriart and Nates-Rodríguez 1990; Wicksten and Hendrickx 1992; Hendrickx 1996; 1997; 1999; 2005; Hendrickx and Esparza-Haro 1997; Hendrickx *et al*. 1997: Hendrickx and Espinosa-Pérez 1998; Hendrickx and Vázquez-Cureño 1998; Hernández-Aguilera 1998; Hendrickx and Harvey 1999; Barbosa-Ledesma *et al*. 2000; Ramírez-Luna *et al*. 2002; Boyko 2002; Álvarez-Silva *et al.* 2003; Hernández-Álvarez and Villalobos-Hiriart 2005; Gámez-Vivaldo *et al*. 2006; Martínez-Guerrero 2007; Ayón-Parente and Hendrickx 2007; 2009; García-Madrigal 2010; García-Madrigal and Andreu-Sánchez 2010; Jarquín-González and García-Madrigal 2010).

Studies incorporating species lists from the continental shelf of the Gulf of Tehuantepec, such as that by Gamboa-Contreras and Tapia-García (1998), or pelagic copepods, *e.g*. Fernández-Álamo *et al*. (2000), were not included in this checklist, because they do not indicate whether the species was recorded in Oaxaca or Chiapas State.

Mollusks

Mollusks are one of the best-known invertebrate groups on the Pacific coast. Taxonomic studies began in the second half of the 19th century (García-Cubas 1986; Reguero-Reza and García-Cubas 1993; González 1993; Naranjo-García 2003). Most species collected were published in a monograph by Keen (1971); there are 3,345 species of mollusks from Baja California to Peru (Keen 1971). Skoglund (2001; 2002) recorded 2,918 gastropods and 111 chitons and, recently, Coan and Valentich-Scott (2012) have recorded 890 bivalves.

There have been few mollusk studies on the coast of Oaxaca. Inventories of the mollusk fauna have been carried out on the continental shelf (Gamboa-Contreras and Tapia-García 1998; Ríos-Jara *et al*. 2009) and on the coastline (Piña-Arce and Herrera-Peña 1980) of the Gulf of Tehuantepec, and have focused on the central and southern coast of the state (Holguín-Quiñones and González-Pedraza 1989; de León-Herrera 2000; Ramírez-González and Barrientos-Luján 2007) and on the Classes of cephalopods (Sánchez 2003) and polyplacophorans (Reyes-Gómez *et al*. 2010). Studies on mollusk communities have been carried out at the rocky intertidal zone (Zamorano *et al*. 2008), coral reefs (Rodríguez-Palacios *et al*. 1988; Zamorano *et al*. 2006) and lagoon systems (Zamorano *et al*. 2010). There have additionally been some studies aimed at shellfish of economic importance, such as the pen shell *Atrina maura* (G.B. Sowerby I, 1835) (Ahumada-Sempoal 1998; Ángel-Pérez *et al*. 2007) and the purple snail *Plicopurpura columelaris* (Lamarck, 1816) (Castillo-Rodríguez and Amezcua-Linares 1992; Vázquez-Gil *et al.* 2004). The studies of Gamboa-Contreras and Tapia-García (1998) and Alejo-Plata *et al*. (2001), based on the continental shelf of the Gulf of Tehuantepec, were not included in the list because the authors do not indicate whether the species were recorded in Oaxaca or Chiapas State.

In this review, the mollusk fauna of the coast of Oaxaca yielded 109 Families, 258 Genera and 462 species (Table 10). Of these, 281 were Gastropoda, 153 Bivalvia, 22 Polyplacophora and six Cephalopoda. Mollusks that lack economic importance, and that are small-sized,

inconspicuous, rare and/or living in deep waters, such as Scaphopoda, have not yet been studied (Ríos-Jara *et al.* 2003).

Bryozoans

Only two references were found for bryozoans (Osburn 1953; Soule *et al.* 1995); the authors recorded the same species (Table 11).

Echinoderms

Although echinoderms on the Pacific coast of Mexico have been studied since the late 19th century (Buitrón and Solís-Marín 1993), these studies did not cover the entire coast. During the 1970s, data for specimens collected in Mexican waters and deposited in foreign collections were reviewed with a number of species from the coast of Oaxaca being reported (Caso 1978; 1980; 1983). Solís-Marín *et al.* (1993) published a taxonomic list for the asteroids and echinoids of Mexico. After a bibliographic revision and a review of the Echinoderm National Collection (Instituto de Ciencias del Mar y Limnología, UNAM), the authors reported just six species of echinoderms for Oaxaca. There are now corrected and updated regional taxonomic lists for various localities, particularly from the north of Mexico (Bautista-Romero *et al.* 1994; Solís-Marín *et al.* 1997; Cintra-Buenrostro 2001; Solís-Marín *et al.* 2005; 2009), and the Mexican Caribbean and Gulf of Mexico (Laguarda-Figueras *et al.* 2009). However, these lists remain incomplete for the rest of the country.

Only a few basic studies have been carried out along the coast of Oaxaca, providing sparse data about the species inhabiting this zone. Deichmann (1938; 1941; 1958) recorded nine species of holothurians from the coast of Oaxaca. Benítez-Villalobos (2001) compared two reef communities of Bahías de Huatulco, recording six species of echinoderms. Zamorano and Leyte-Morales (2005) reported seasonal changes in echinoderm diversity in a bay of the Parque Nacional Huatulco, providing a list of 24 species. Honey-Escandón *et al.* (2008) compiled a taxonomic list for the echinoderms of the Mexican Pacific, mentioning 30 species from the coast of Oaxaca. Benítez-Villalobos *et al.* (2008) presented an updated list of echinoids and asteroids from the coast of Oaxaca, reporting 11 new records for this state. Granja-Fernández and López-Pérez (2011) recorded 13 species of ophiuroids from Puerto Escondido, including three new records for Oaxaca.

For the general taxonomic organization of the list, we used the criteria suggested by the following authors: Class Asteroidea, Clark (1989; 1993; 1996); Class Ophiuroidea, Matsumoto (1915) and Fell (1960); Class Echinoidea, Mortensen (1928; 1935; 1940; 1943; 1948; 1950; 1951); Class Holothuroidea, Pawson and Fell (1965).

The taxonomic list obtained from the bibliographic revision comprises 59 species from 47 Genera and 31 Families, which were distributed across four Classes (Table 12).

Fish

In order to review the current status of fish species recorded from the coast of Oaxaca, a search was carried out of information published in books (Allen *et al.* 1995; Compagno *et al.* 1995; McEachran and Notarbartolo-di-Sciara 1995; Castro-Aguirre and Espinosa-Pérez 1996; Tapia-García and Gutiérrez-Díaz 1998; Castro-Aguirre *et al.* 1999; Espinosa-Pérez *et al.* 2004), one electronic database (Robertson and Allen 2008) and journals (Chávez 1979; Castro-Aguirre 1982; Tapia-García *et al.* 1998; Tapia-García and Mendoza-Rodríguez 2005; Ramírez-Gutiérrez *et al.* 2007; Mendoza-Vallejo *et al.* 2009; López-Pérez *et al.* 2010). Each species was confirmed using recent data to verify synonyms. Only seven studies included lists of species from the coast of Oaxaca, mainly from coastal lagoons. These studies included: Chacahua (Mendoza-Vallejo *et al.* 2009), Mar Muerto (Chávez 1979; Tapia-García *et al.* 1998) and the Huave Lagoon System (Castro-Aguirre 1982; Tapia-García and Mendoza-Rodríguez 2005). In addition, there are only two published lists for coral reef fishes: Ramírez-Gutiérrez *et al.* (2007) at a locality of San Agustin Bay, Santa María Huatulco, and López-Pérez *et al.* (2010) from Mazunte to Huatulco.

An updated list of fish species, including teleost and elasmobranches, has been provided (Table 13). In total, 594 species were recorded off the coast of Oaxaca, which corresponds to 313 Genera and 113 Families. Perciformes is the best represented Order, with 303 species. One endemic species was recorded, *Poeciliopsis fasciata* (Meek, 1904), which is distributed only in Chiapas and Oaxaca.

Amphibians and reptiles

Five of the seven extant marine turtle species nest on the coast of Oaxaca (Table 14). La Escobilla is in fact probably the most important nesting beach in the world for the olive ridley *Lepidochelys olivacea* (Márquez 1990). Other important marine turtle nesting beaches are Chacahua, la Ventanilla, Morro Ayuta and Barra de la Cruz. Eight leatherback turtles *Dermochelys coriacea* (Vandelli, 1761) were recorded nesting in one night on Barra de la Cruz beach in the winter of 2001 (Meraz-Hernando pers. obs.). Several reports have been compiled for *L. olivacea* (Meraz-Hernando and Ávila-Barrientos 2007a, b) and *D. coriacea* (Sánchez-Díaz and Meraz-Hernando 2001).

The American crocodile *Crocodylus acutus* Cuvier, 1807 is a resident species at several locations along the coast, and it is even possible to observe adults moving between areas by sea. Reports of this species along the coast of Oaxaca have highlighted the importance of crocodiles in the state (Meraz-Hernando and Ávila-Nahón 2006; Brandon-Pliego 2007; García-Grajales *et al.* 2007; Meraz-Hernando *et al.* 2008). There is a single record of the sea snake *Pelamis platurus* (Linnaeus, 1758) (Meraz-Hernando 2007b), and one of a captive iguana *Ctenosaura pectinata* Wiegmann, 1834 (Villegas-Zurita 1999).

Oaxaca has several endemic amphibian and reptile species, with the turtle *Kinosternon oaxacae* Berry and Iverson, 1980 from the Colotepec and Tonameca rivers (Berry and Iverson 1980) being important for the coast, and the iguana *Ctenosaura oaxacana* Gray, 1842 from the Tehuantepec Isthmus (Köhler 2004).

Limited attention has been given to the amphibians (Table 14) that inhabit the coast of Oaxaca. There is only one report of the cane toad *Rhinella marina* (Linnaeus, 1758) (Becerril-Morales 2001). In addition, there are a few records covering the herpetofauna of the state, but

these are from restricted areas (Smith 1959; Lynch and Smith 1966).

The present list of species is based on a chapter from Casas-Andreu *et al*. (2004), and includes records obtained from several surveys along the coast of Oaxaca, as well as from captive species held at the Turtle Museum at the Mexican Center for the Study of the Turtles, on the coast of Oaxaca. In total, 37 species in 30 Genera and 15 Families were recorded (Table 14). Some reports on freshwater turtles have been included (Ippi and Flores 2001). Frost (2012) was followed for taxonomy and nomenclature of amphibians. Major changes were added for reptiles with the inclusion of the Family Colubridae and the new Family Dipsadidae from Zaher *et al*. (2009).

Birds

Waterbird richness on the coast of Oaxaca is high, due to the rich diversity of habitats. In total, 120 species of 70 Genera and 26 Families have been recorded (Table 15). Ardeidae and Laridae are amongst the Families with the highest richness; they mainly inhabit lagoons, rivers, estuaries and cliffs. Nevertheless, the number of seabird species is relatively low, maybe because of the low abundance of small pelagic fish.

The present list of species was compiled from a comprehensive species account by Navarro-Sigüenza *et al*. (2004), in which species from the coast and the Tehuantepec Isthmus to the limits of the state were documented (Table 15). The list was restricted to species with a confirmed record in Binford (1989) and subsequent reports (Winker *et al*. 1992; Schaldach *et al*. 1997; Mellink *et al*. 1998; Meraz-Hernando 2001; Meraz-Hernando and González-Bravo 2005; González-Bravo and Meraz-Hernando 2010). In addition, world distribution reports were incorporated into the list for boobies (Nelson 1978), shorebirds (Paulson 1993), gulls (Olsen 2000), and pelicans and cormorants (Nelson 2005).

Due to several taxonomic changes made in recent years, the classification of the American Ornithologist's Union was followed, and was also based on the AOU checklist (AOU 1998) and subsequent supplements (AOU 2000; Banks *et al*. 2002; 2004; 2006; 2007; 2008; Chesser *et al.* 2010).

It is important to note that the present list includes only aquatic birds for which records have been confirmed. Some non-aquatic birds have been included because they were observed in close proximity to aquatic bodies during activities such as feeding, nesting or when seeking refuge.

Marine mammals

The Mexican coastal area is divided into four regions, with Oaxaca being part of Zone 3 or tropical Pacific (Torres *et al*. 1995). The tropical Mexican Pacific is estimated to include 18 marine mammals, and is therefore more diverse than the Gulf of Mexico and the Caribbean, but with a richness that is lower than the north Pacific and the Gulf of California (Aguayo-Lobo *et al*. 1990).

The abrupt shape of the coastline in Oaxaca, including bays, cliffs and islands, is a refuge for several resident cetacean species. Furthermore, the influence of the cold California Current during winter (Pacheco-Sandoval 1991) promotes the presence of migrating species such as *Megaptera novaeangliae* (Borowski, 1781).

Marine mammal studies have primarily been undertaken over the last two decades, with some recent records being based on occasional sightings (Sánchez-Díaz and Meraz-Hernando 2001; Meraz-Hernando 2003) and strandings (Meraz-Hernando and Becerril-Morales 2004; Meraz-Hernando 2007a; Lira-Torres 2007). Some tentative lists contain species for which there are both possible and confirmed sightings (Aurioles-Gamboa 1993; Salinas and Ladrón-de-Guevara 1993).

Based on marine surveys, strandings, and sightings from the coast during a period of over five years, a detailed report on marine mammals has been compiled for the central coast of Oaxaca (Meraz-Hernando and Sánchez-Díaz 2008) and used as the main reference for the present list (Table 16). Other species that are likely to be present in the state were added from reliable reports (Carwardine 1995; Jefferson and Leatherwood 1995; Medrano-González *et al*. 2008) and databases of the Mexican national commission for Biodiversity (CONABIO).

One species of particular interest is *Zalophus californianus* (Lesson, 1828), which has been sighted in Oaxaca on several occasions over a period of several years. In the case of the list derived from Medrano-González *et al*. (2008), species recorded for the Tropical Pacific were considered. Two species, the ziphidae *Mesoplodon peruvianus* Reyes, Mead and Van Waerebeek, 1991 and the otariid *Arctocephalus galapagoensis* Heller, 1904, are likely to occur in Oaxaca but were not considered due to the reduced number of sightings in Mexico (Urbán-Ramírez and Guerrero-Ruiz 2008). The list comprises 11 species from 10 Genera and three Families (Table 16).

Conclusions

The review of 198 references for the flora and fauna of Oaxaca produced 2,157 species records, corresponding to 15 taxonomic groups (Division, Phyla or Class level) (Table 1). It was evident that floristic and faunistic knowledge is heterogeneous among the taxonomic groups. Additionally, many invertebrate groups that have been recorded in adjacent regions have not yet been recorded on the coast of Oaxaca, such as some platyhelminths (turbellarians, cestods), rotifers, nematodes, oligochaetes, sipunculids, echiurans, tardigrades, pycnogonids, some crustaceans (branchiopods, mysids, cumaceans and ostracods), brachiopods, chaetognaths, ascidians and cephalochordates.

The inventory of marine flora and fauna is far from complete, and additional effort is needed. The region could potentially be characterized as a marine hotspot, similar to the adjacent terrestrial biodiversity. This represents a major scientific gap and an opportunity for taxonomists.

Table 3. Checklist of the macroalgae recorded in marine areas from Oaxaca, Mexico. When the first published record of the species was a synonymous of a currently accepted name, this was added after '=' symbol. The nomenclature and classification followed Guiry and Guiry (2010).

Kingdom Plantae Haeckel, 1866	Reference
Division Chlorophyta Reichenbach, 1834	
Class Bryopsidophyceae Bessey, 1907	
Order Bryopsidales J.H. Schaffner, 1922	
Family Bryopsidaceae Bory de Saint-Vincent, 1829	
Bryopsis hypnoides J.V. Lamouroux, 1809	Mendoza-González and Mateo-Cid (1998)
Bryopsis muscosa J.V. Lamouroux, 1809	León-Tejera and González-González (1993)
Bryopsis pennata var. *minor* J. Agardh, 1887 =*Bryopsis pennatula* J. Agardh	León-Tejera and González-González (1993)
Bryopsis plumosa (Hudson) C. Agardh, 1823	León-Tejera and González-González (1993)
Family Caulerpaceae Kützing, 1843	
Caulerpa imbricata G. Murray, 1887 =*Caulerpa peltata* Lamouroux f. *imbricata* (G. Murray) Weber-van Bosse 1898	León-Tejera *et al.* (1993)
Caulerpa peltata J.V. Lamouroux, 1809	Mendoza-González and Mateo-Cid (1998)
Caulerpa racemosa (Forsskal) J. Agardh, 1873	León-Tejera and González-González (1993)
Caulerpa sertularioides (S. Gmelin) M.A. Howe, 1905	León-Tejera *et al.* (1993)
Caulerpa sertularioides f. *brevipes* (J. Agardh) Svedelius, 1906	León-Tejera and González-González (1993)
Caulerpa sertularioides f. *longiseta* (Bory de Saint-Vincent) Svedelius, 1906	León-Tejera and González-González (1993)
Caulerpella ambigua (Okamura) Prud'homme van Reine and Lokhorst, 1992 =*Caulerpa vickersiae* Borgesen 1911	León-Tejera *et al.* (1993)
Family Codiaceae Kützing, 1843	
Codium dichotomum S.F. Gray, 1821	León-Tejera and González-González (1993)
Codium edule P.C. Silva, 1952	León-Tejera *et al.* (1993)
Codium giraffa P.C. Silva, 1979	Mendoza-González and Mateo-Cid (1998)
Codium setchelii N.L. Gardner, 1919	León-Álvarez and González-González (1993)
Family Derbesiaceae Hauck, 1884	
Derbesia hollenbergii W.R. Taylor, 1945	Mendoza-González and Mateo-Cid (1999)
Family Halimedaceae Link, 1832	
Halimeda discoidea Decaisne, 1842	León-Tejera *et al.* (1993)
Halimeda tuna (J. Ellis and Solander) J.V. Lamouroux, 1846	Mendoza-González and Mateo-Cid (1998)
Family Udoteaceae J. Agardh, 1887	
Chlorodesmis hildenbrandtii A. Gepp and E.S. Geep, 1911	León-Tejera *et al.* (1993)
Chlorodesmis mexicana W.R. Taylor, 1945	Mendoza-González and Mateo-Cid (1999)
Class Ulvophyceae K.R. Mattox and K.D. Stewart, 1978	
Order Cladophorales Haeckel, 1894	
Family Cladophoraceae W. Wille ex Warming, 1884	
Chaetomorpha anteninna (Bory de Saint-Vincent) Kützing, 1847	León-Tejera and González-González (1993)
Chaetomorpha brachygona Harvey, 1858	León-Tejera and González-González (1993)
Chaetomorpha californica F.S. Collins, 1900	León-Tejera *et al.* (1993)
Chaetomorpha exposita (Borgesen) E.Y. Dawson, 1954	León-Tejera and González-González (1993)
Chaetomorpha gracilis Kützing, 1845	León-Tejera and González-González (1993)
Chaetomorpha linum (O.F. Müller) Kützing, 1845	León-Tejera and González-González (1993)
Cladophora albida (Nees) Kützing, 1843	León-Tejera *et al.* (1993)
Cladophora brasiliana G. Martens 1868	León-Tejera and González-González (1993)
Cladophora lehmanniana (Lindenberg) Kützing, 1843 =*Cladophora utriculosa* Kützing 1843	León-Tejera and González-González (1993)
Cladophora microcladioides F.S. Collins, 1909	León-Tejera *et al.* (1993)
Cladophora nigrescens Zanardini ex Frauenfeld, 1855	León-Tejera *et al.* (1993)
Cladophora perpusilla Skottsberg and Levring ex Levring, 1941	León-Tejera and González-González (1993)
Cladophora prolifera (Roth) Kützing, 1843	Mendoza-González and Mateo-Cid (1998)
Cladophora sericea (Hudson) Kützing, 1843	Mateo-Cid and Mendoza-González (1997)
Rhizoclonium africanum Kützing, 1853	Mateo-Cid and Mendoza-González (1997)
Rhizoclonium riparium (Roth) Harvey, 1849 =*Rhizoclonium implexum* (Dillwyn) Kützing	Mateo-Cid *et al.* (2005)
Order Dasycladales Pascher, 1931	
Family Dasycladaceae	
Batophora oerstedii J. Agardh, 1854	Mendoza-González and Mateo-Cid (1998)
Family Polyphysaceae Kützing, 1843	
Acetabularia caliculus J.V. Lamouroux, 1824	León-Tejera and González-González (1993)
Acetabularia crenulata J.V. Lamouroux, 1816	Mendoza-González and Mateo-Cid (1998)
Parvocaulis parvulus (Solms-Laubach) Berger, Fettweiss, Gleissberg, Liddle, Richter, Sawitsky and Zuccarello, 2003 =*Acetabularia parvula* Solms-Laubach 1895	León-Tejera *et al.* (1993)
Order Ctenocladales P.C. Silva, 1982	
Family Ulvellaceae Schmidle, 1899	
Acrochaete viridis (Reinke) R. Nielsen, 1979 = *Entocladia viridis* Reinke,1876	Mendoza-González and Mateo-Cid (1999)
Order Ulvales Blackman and Tansley, 1902	

Table 3. ***Continued.***

Family Phaeophilaceae Chappell, O'Kelly, Wilcox and Floyd, 1990	
Phaeophila dendroides (P.L. Crouan and H.M. Crouan) Batters, 1902	Mendoza-González and Mateo-Cid (1998)
Phaeophila floridearum Hauck, 1867 = *Phaeophila engleri* Reinke 1889	León-Tejera and González-González (1993)
Family Ulvaceae Lamouroux ex Dumortier, 1822	
Blidingia marginata (J. Agardh) P.J.L. Dangeard, 1958 =*Enteromorpha marginata* J. Agardh	León-Tejera and González-González (1993)
Enteromorpha ramulosa (J.E. Smith) Carimichael, 1833	León-Tejera and González-González (1993)
Ulva acanthophora (Kützing) Hayden, Blomster, Maggs, P.C. Silva, Stanhope and J.R. Waaland, 2003 = *Enteromorpha acanthopora* Kützing, 1879	León-Tejera and González-González (1993)
Ulva clathrata (Roth) C. Agardh, 1811 = *Enteromorpha clathrata* (Roth) Greville 1830	León-Tejera and González-González (1993)
Ulva compressa Linnaeus, 1753 =*Enteromorpha compressa* (Linnaeus) Nees 1820	León-Tejera *et al.* (1993)
Ulva flexuosa Wulfen, 1803 =*Enteromorpha lingulata* J. Agardh 1883	León-Tejera and González-González (1993)
Ulva intestinalis Linnaeus, 1753 = *Enteromorpha intestinalis* (Linnaeus) Nees 1820	León-Tejera and González-González (1993)
Ulva lactuca Linnaeus, 1753	León-Tejera *et al.* (1993)
Ulva linza Linnaeus, 1753 =*Enteromorpha linza* (Linnaeus) J. Agardh 1883	León-Tejera and González-González (1993)
Ulva rigida C. Agardh, 1823	Mendoza-González and Mateo-Cid 1998
Ulva spinulosa Okamura and Segawa, 1936	León-Tejera and González-González (1993)
Order Siphonocladales (Blackman and Tansley) Oltmanns, 1904	
Family Boodleaceae Borgesen, 1925	
Phyllodictyon anastomosans (Harvey) Kraft and M.J. Wynne, 1996 =*Struvea anastomosans* (Harv.) Piccone and Grunow ex Piccone 1884	León-Tejera *et al.* (1993)
Division Rhodophyta Wettstein 1922	
Class Bangiophyceae Wettstein 1901	
Order Bangiales Schmitz ex Engler 1892	
Family Bangiaceae Engler 1892	
Bangia enteromorphides E.Y. Dawson, 1953	Mateo-Cid *et al.* (2005)
Class Compsopogonophyceae G.W. Saunders and Hommersand, 2004	
Order Erythropeltidales Garbary, Hansen and Scagel, 1980	
Family Erythrotrichiaceae G.M. Smith, 1933	
Erythrocladia irregularis Ronsenvinge, 1909	León-Tejera and González-González (1993)
Erythrocladia pinnata W.R.Taylor, 1942	León-Tejera and González-González (1993)
Erythrotrichia carnea (Dillwyn) J. Agardh, 1883	León-Tejera and González-González (1993)
Sahlingia subintegra (Rosenvinge) Kornmann, 1989	Mendoza-González and Mateo-Cid (1998)
Class Porphyridiophyceae Kylin, 1937	
Order Porphyridiales Kylin, 1937	
Family Porphyridiaceae Kylin, 1937	
Bangiopsis dumontoides (P.L. Crouan and H.M. Crouan) V. Krishnmurthy, 1957	León-Tejera and González-González (1993)
Stylonema alsidii (Zanardini) K.M. Drew, 1956 =*Goniotrichum alsidii* (Zanardini) M.A. Howe 1914	León-Tejera and González-González (1993)
Class Florideophyceae Cronquist, 1960	
Order Acrochaetiales Feldmann, 1953	
Family Acrochaetiaceae Fritsch ex W.R. Taylor, 1957	
Acrochaetium microscopicum (Nägeli ex Kützing) Nägeli ex Nägeli and Cramer, 1858 =*Audouinella microscopica* (Nägeli ex Kützing) Woelkerling 1971	Mateo-Cid and Mendoza-González (1997)
Acrochaetium savianum (Meneghini) Nägeli, 1862 =*Audouinella saviana* (Meneghini) Woelkerling 1973	Mateo-Cid and Mendoza-González (1997)
Order Ahnfeltiales C.A. Maggs and C.M. Pueschel, 1989	
Family Ahnfeltiaceae C.A. Maggs and C.M. Pueschel, 1989	
Ahnfeltia plicata (Hudson) E.M. Fries, 1836	Mendoza-González and Mateo-Cid (1998)
Order Bonnemaisoniales Feldmann and Feldmann, 1942	
Family Bonnemaisoniaceae Schmitz ex Engler, 1892	
Asparagopsis taxiformis (Delile) Trevisan de Saint-Léon, 1845 =*Falkenbergia hillebrandii* (Bornet) Falkenberg 1901	León-Tejera and González-González (1993)
Order Ceramiales Oltmanns, 1904	
Family Ceramiaceae Dumortier, 1822	
Anotrichium tenue (C. Agardh) Nägeli, 1862	León-Tejera and González-González (1993)
Anotrichium tenue var. *thyrsigerum* (Thwaites ex Harvey) Kim and Lee, 1992 = *Griffithsia tenuis* C. Agardh 1828	León-Tejera and González-González (1993)
Anthithamnionella elegans (Berthold) Price (Berthold) Price and John ex Price, John and Lawson, 1986	Mendoza-González and Mateo-Cid (1998)
Bornetia binderiana (Sonder) Zanardini, 1866	Mendoza-González and Mateo-Cid (1999)
Callithamnion corymbosum (Smith) Lyngbye, 1819 =*Callithamnion rupicula* C.L. Anderson 1894	Mendoza-González and Mateo-Cid (1998)
Callithamnion rupinicola Anderson, 1894 =*Callithamnion uncinatum* E.Y. Dawson 1962	León-Tejera and González-González (1993)
Centroceras clavulatum (C. Agardh) Montagne, 1846	León-Tejera and González-González (1993)
Ceramium affine var. *peninsularis* E.Y. Dawson, 1950	León-Tejera and González-González (1993)
Ceramium camouii E.Y. Dawson, 1944	Mendoza-González and Mateo-Cid (1998)

Table 3. ***Continued.***

Ceramium caudatum Setchell and N.L. Gardner, 1924	León-Tejera and González-González (1993)
Ceramium clarionensis Setchell and N.L. Gardner, 1930	León-Tejera and González-González (1993)
Ceramium gracillimum f. *byssoideum* (Harvey) Mazoyer, 1938	León-Tejera and González-González (1993)
Ceramium hamatispinum E.Y. Dawson, 1950	Mateo-Cid and Mendoza-González (1997)
Ceramium macilentum J. Agardh, 1894 =*Ceramium mazatlense* E.Y. Dawson 1950	León-Tejera and González-González (1993)
Ceramium monocanthum J. Agardh, 1894	Mendoza-González and Mateo-Cid (1998)
Ceramium paniculatum Okamura, 1921	León-Tejera and González-González (1993)
Ceramium sinicola Setchell and N.L. Gardner, 1924	Mendoza-González and Mateo-Cid (1999)
Gayliella flaccida (Harvey ex Kützing) Cho and McIvor ex Cho, Boo, Hommersand, Maggs, McIvor and Fredericq, 2008 =*Ceramium flaccidum* (Harvey ex Kützing) Ardissone 1871	León-Tejera and González-González (1993)
Gayliella taylorii (E.Y. Dawson) Cho and Boo ex Cho, Boo, Hommersand, Maggs, McIvor and Fredericq, 2008 =*Ceramium taylorii* E.Y. Dawson 1950	León-Tejera and González-González (1993)
Griffithsia pacifica Kylin, 1925	León-Tejera and González-González (1993)
Pleonosporium globuliferum Levring, 1941	León-Tejera and González-González (1993)
Pleonosporium mexicanum E.Y. Dawson, 1962	León-Tejera and González-González (1993)
Pleonosporium rhizoideum E.Y. Dawson, 1962	León-Tejera and González-González (1993)
Spyridia filamentosa (Wulfen) Harvey ex Hooker, 1833	Mendoza-González and Mateo-Cid (1998)
Family Dasyaceae Kützing, 1843	
Dasya sinicola var. *abyssicola* (E.Y. Dawson) E.Y. Dawson, 1963	Mateo-Cid and Mendoza-González (1997)
Family Delesseriaceae Bory, 1828	
Cryptopleura peltata (Montagne) M.J.Wynne, 2002 =*Cryptopleura corallinarum* (Nott) N.L.Gardner 1927	Mateo-Cid and Mendoza-González (1997)
Hypoglossum attenuatum N.L. Gardner, 1927	León-Tejera and González-González (1993)
Hypoglossum attenuatum N.L. Gardner. var. *abyssicolum* (W.R. Taylor) E.Y. Dawson, 1962	León-Tejera and González-González (1993)
Taenioma perpusillum (J. Agardh) J. Agardh, 1863 =*Polysiphonia perpussilla* J. Agardh 1847	León-Tejera and González-González (1993)
Family Rhodomelaceae J.E. Areschoug, 1847	
Alsidium pusillum E.Y. Dawson, 1963	Mendoza-González and Mateo-Cid (1998)
Chondria arcuata Hollenberg, 1945	León-Tejera *et al.* (1993)
Chondria decipiens Kylin, 1941	León-Tejera and González-González (1993)
Herposiphonia hollenbergii E.Y. Dawson, 1963	León-Tejera and González-González (1993)
Herposiphonia secunda (C. Agardh) Ambronn, 1880	León-Tejera and González-González (1993)
Herposiphonia secunda f. *tenella* (C. Agardh) M.J. Wynne, 1985	Mendoza-González and Mateo-Cid (1998)
Herposiphonia subdisticha Okamura, 1899	León-Tejera and González-González (1993)
Herposiphonia tenella (C.Agardh) Ambronn, 1880	León-Tejera and González-González (1993)
Herposiphonia verticillata (Harvey) Kylin, 1925	Mateo-Cid *et al.* (2005)
Laurencia clarionensis Setchell and N.L. Gardner, 1937	León-Tejera and González-González (1993)
Laurencia hancockii E.Y. Dawson, 1958	Mateo-Cid and Mendoza-González (1997)
Laurencia lajolla E.Y. Dawson, 1958	León-Tejera *et al.* (1993)
Laurencia subcorymbosa E.Y. Dawson, 1963	León-Tejera and González-González (1993)
Laurencia voragina W.R. Taylor, 1945	Mendoza-González and Mateo-Cid (1998)
Neosiphonia simplex (Hollenberg) Y.P. Lee, 2008 =*Polysiphonia simplex* Hollenberg 1942	León-Tejera and González-González (1993)
Neosiphonia sphaerocarpa (Borgesen) M.S. Kim and I.K. Lee, 1999 =*Polysiphonia sphaerocarpa* Boergesen 1918	Mendoza-González and Mateo-Cid (1999)
Polysiphonia confusa Hollenberg 1961	Mendoza-González and Mateo-Cid (1998)
Polysiphonia decussata Hollenberg, 1942	León-Tejera and González-González (1993)
Polysiphonia foetidissima Cocks ex Bornet, 1892	León-Tejera and González-González (1993)
Polysiphonia japonica var. *savatieri* (Hariot) Yoon, 1986 =*Polysiphonia savatieri* Hariot 1891	Mendoza-González and Mateo-Cid (1998)
Polysiphonia scoplorum var. *villum* (J. Agardh) Hollenberg, 1968	Mendoza-González and Mateo-Cid (1998)
Polysiphonia sertularioides (Grateloup) J. Agardh, 1863 =*Polysiphonia flaccidisima* Hollenberg 1942	Mendoza-González and Mateo-Cid (1998)
Polysiphonia sonorensis Hollenberg, 1942	León-Tejera and González-González (1993)
Tayloriella dictyurus (J. Agardh) Kylin, 1956	León-Tejera and González-González (1993)
Order Corallinales P.C. Silva and H.W. Johansen, 1986	
Family Corallinaceae J.V.Lamouroux, 1812	
Amphiroa beauvoisii J.V. Lamouroux, 1816 =*Amphiroa mexicana* W.R. Taylor 1945	León-Tejera *et al.* (1993)
Amphiroa crosslandii M. Lemoine, 1929	León-Tejera and González-González (1993)
Amphiroa dimorpha M. Lemoine, 1929	León-Tejera *et al.* (1993)
Amphiroa galapaguensis W.R. Taylor, 1945	León-Tejera and González-González (1993)
Amphiroa magdalensis E.Y. Dawson, 1953	León-Tejera and González-González (1993)
Amphiroa minutissima W.R. Taylor, 1945	León-Tejera and González-González (1993)
Amphiroa misakiensis Yendo, 1902 =*Amphiroa brevianceps* E.Y. Dawson 1953	León-Tejera *et al.* (1993)
Amphiroa rigida J.V. Lamouroux, 1816	León-Tejera and González-González (1993)
Amphiroa taylorii E.Y. Dawson, 1953	León-Tejera and González-González (1993)
Amphiroa valonioides Yendo, 1902	Mendoza-González and Mateo-Cid (1998)

Table 3. ***Continued.***

Hydrolithon farinosum J.V. Lamouroux) D. Penrose and Y.M. Chamberlain, 1993 =*Fosliella farinosa* (J.V. Lamouroux) M.A. Howe	León-Álvarez and González-González (1993)
Hydrolithon onkodes (Heydrich) D. Penrose and Woelkerling, 1992	Fragoso and Rodríguez (2002)
Hydrolithon rupestre (Foslie) Penrose, 1996	Fragoso and Rodríguez (2002)
Hydrolithon samoënse (Foslie) Keats and Y.M. Chamberlain, 1994 =*Lithophyllum samoënse* Foslie 1906	Mendoza-González and Mateo-Cid (1998)
Jania adhaerens J.V. Lamouroux, 1816	León-Tejera and González-González (1993)
Jania capillacea Harvey, 1853	León-Tejera and González-González (1993)
Jania pacifica Areschough, 1852	León-Tejera *et al.* (1993)
Jania pumila J.V. Lamouroux, 1816	León-Tejera and González-González (1993)
Jania tenella (Kützing) Grunow, 1874	León-Tejera and González-González (1993)
Lithophyllum corallinae (P.L. Crouan and H.M. Crouan) Heydrich, 1897	Fragoso and Rodríguez (2002)
Lithophyllum decussatum (J. Ellis and Solander) Philippi, 1837 =*Lithophyllum farlowii* Heydrich 1901	Mendoza-González and Mateo-Cid (1999)
Lithophyllum dispar (Foslie) Foslie, 1909 =*Titanoderma dispar* (Foslie) Woelkerling, Y. M. Chamberlain and P.C. Silva 1985	Mateo-Cid and Mendoza-González (1997)
Lithophyllum imitans Foslie, 1909	León-Álvarez and González-González (1993)
Lithophyllum lithophylloides Heydrich, 1901	León-Álvarez and González-González (1993)
Lithophyllum stictaeforme (J.E. Areschoug) Hauck, 1877 =*Lithophyllum frondosum* (Dufour) G. Furnari, Cormaci and Alongi 1996	Fragoso and Rodríguez (2002)
Neogoniolithon trichotomum (Heydrich) Setchell and L.R. Mason, 1943 =*Lithophyllum trichotomum* (Heydrich) Me. Lemoine 1929	León-Álvarez and González-González (1993)
Pneophyllum confervicola (Kützing) Y.M. Chamberlain, 1983 = *Heteroderma minutulum* (Foslie) Foslie 1909	León-Álvarez and González-González (1993)
Pneophyllum cornicum (E.Y. Dawson) Keats, Y.M. Chamberlain and Baba, 1997	Mendoza-González and Mateo-Cid (1998)
Pneophyllum fragile Kützing, 1843	Mendoza-González and Mateo-Cid (1998)
Spongites decipiens (Foslie) Y.M. Chamberlain, 1993	Mendoza-González and Mateo-Cid (1998)
Spongites fructiculosa Kützing, 1842	León-Álvarez and González-González (1993)
Family Hapalidiaceae J.E. Gray, 1864	
Choreonema thuretii (Bornet) F. Schmitz, 1889	Mendoza-González and Mateo-Cid (1998)
Leptophytum microsporum (Foslie) Athanasiadis and Adey, 2006 =*Lithothamnion microsporum* (Foslie) Foslie 1929	Mendoza-González and Mateo-Cid (1998)
Lithothamnion australe Foslie, 1904	León-Álvarez and González-González (1993)
Melobesia membranacea (Esper) J.V. Lamouroux, 1812	Fragoso and Rodríguez (2002)
Phymatolithon lenormandii (J.E. Areschoug) W.H. Adey =*Lithothamnion lenormandii* (J. E. Areschoug) Foslie 1895	León-Álvarez and González-González (1993)
Order Halymeniales G.W. Saunders and G.T. Kraft, 1996	
Family Halymeniaceae Kützing, 1847	
Grateloupia angusta (Okamura) Kawaguchi and Wang ex Wang, Kawaguchi, Horiguchi and Masuda, 2001 =*Cryptonemia angustata* Okamura 1895	Mateo-Cid *et al.* (2005)
Grateloupia filicina (J.V. Lamouroux) C. Agardh, 1822	León-Tejera and González-González (1993)
Grateloupia huertana Mateo-Cid, Mendoza-González and Gavio, 2005	Mateo-Cid *et al.* (2005)
Grateloupia maxima (Gardner) Kylin, 1941	León-Tejera and González-González (1993)
Grateloupia prolongata J. Agardh, 1847	León-Tejera and González-González (1993)
Grateloupia versicolor (J. Agardh) J. Agardh, 1847	León-Tejera and González-González (1993)
Order Peyssonneliales D.M. Krayesky, Fredericq and J.N. Norris, 2009	
Family Peyssonneliaceae Denizot, 1968	
Peyssonelia mexicana E.Y. Dawson, 1953	León-Álvarez and González-González (1993)
Peyssonelia orientalis (Weber-van Bosse) Cormaci and G. Furnari, 1987	Mendoza-González and Mateo-Cid (1999)
Peyssonelia pacifica Kylin, 1925	León-Tejera and González-González (1993)
Order Gelidiales Kylin 1923	
Family Gelidiaceae Kützing, 1843	
Gelidium crinale (Hare ex Turner) Gaillon, 1828	León-Tejera and González-González (1993)
Gelidium isabelae W.R. Taylor, 1945	Mateo-Cid *et al.* (2005)
Gelidium microdentatum E.Y. Dawson, 1953	Mateo-Cid and Mendoza-González (1997)
Gelidium pusillum (Stackhouse) Le Jolis, 1863	León-Tejera *et al.* (1993)
Gelidium sclerophyllum W.R. Taylor, 1945	León-Tejera and González-González (1993)
Pterocladiella bulbosa (N.H. Loomis) Santelices, 1997 =*Pterocladia bulbosa* N.H. Loomis 1960	León-Tejera and González-González (1993)
Family Gelidiellaceae Fan 1961	
Gelidiella acerosa (Forsskäl) Feldmann and G. Hainel, 1934	Mendoza-González and Mateo-Cid (1998)
Gelidiella hancockii E.Y. Dawson, 1944	León-Tejera and González-González (1993)
Gelidiella ligulata E.Y. Dawson, 1953	León-Tejera and González-González (1993)
Order Gigartinales Schmitz ex Engler, 1892	
Family Dicranemataceae Kylin, 1932	
Dicranema rosaliae Setchell and Gardner, 1924	León-Tejera and González-González (1993)

Table 3. ***Continued.***

Family Hypneaceae J. Agardh, 1851	
Hypnea johnstonii Setchell and N.L. Gardner, 1924	Mendoza-González and Mateo-Cid (1999)
Hypnea pannosa J. Agardh, 1847	León-Tejera and González-González (1993)
Hypnea spinella (C. Agardh) Kützing, 1847	León-Tejera *et al.* (1993)
Family Phyllophoraceae Nägeli, 1847	
Ahnfeltiopsis concinna (J. Agardh) P.C. Silva and DeCew, 1992	León-Tejera and González-González (1993)
Ahnfeltiopsis gigartinoides (J. Agardh) P.C. Silva and DeCew, 1992	León-Tejera and González-González (1993)
Ahnfeltiopsis serenei (E.Y. Dawson) Masuda, 1993 =*Gymnogongrus serenei* E.Y. Dawson 1954	León-Tejera and González-González (1993)
Gymnogongrus crustiforme E.Y. Dawson, 1961	León-Tejera and González-González (1993)
Gymnogongrus johnstonii (Setchell and N.L. Gardner) E.Y. Dawson, 1961	León-Tejera and González-González (1993)
Petrocelis anastomosans E.Y. Dawson, 1961	León-Álvarez and González-González (1993)
Order Nemastomatales Kylin, 1925	
Family Nemastomataceae Schmitz, 1892	
Predaea subpeltata E.Y. Dawson, 1960	León-Álvarez and González-González (1993)
Order Gracilariales Fredericq S. and M.H. Hommersand, 1989	
Family Gracilariaceae Nägeli, 1847	
Gracilaria bursa-pastoris (S.G. Gmelin) P.C. Silva, 1952	Mendoza-González and Mateo-Cid (1998)
Gracilaria crispata Setchell and N.L. Gardner, 1924	Mendoza-González and Mateo-Cid (1998)
Gracilaria pachydermatica Setchell and N.L. Gardner, 1924	Mateo-Cid and Mendoza-González (1997)
Gracilaria parvispora I.A. Abbott, 1985	Dreckmann (1999)
Gracilaria ramisecunda E.Y. Dawson, 1949	Mendoza-González and Mateo-Cid (1999)
Gracilaria symmetrica E.Y. Dawson, 1949	León-Tejera and González-González (1993)
Gracilaria tepocensis (E.Y. Dawson) E.Y. Dawson, 1961	Mateo-Cid and Mendoza-González (1997)
Gracilaria veleroae E.Y. Dawson, 1944	Mendoza-González and Mateo-Cid (1998)
Gracilaria verrucosa (Hudson) Papenfus, 1950	León-Tejera and González-González (1993)
Gracilariopsis andersonii (Grunow) E.Y. Dawson, 1949 =*Gracilariopsis sjoestedii* (Kylin) E.Y. Dawson 1949	León-Tejera and González-González (1993)
Order Halymeniales G.W. Saunders and G.T. Kraft, 1996	
Family Halymeniaceae Kützing, 1867	
Prionitis sternbergii (C. Agardh) J. Agardh,1851 =*Zanardinula sternbergii* (C. Agardh) G. De Toni 1936	León-Tejera and González-González (1993)
Order Hildenbrandiales Pueschel and Cole, 1982	
Family Hildenbrandiaceae Rabenhorst, 1868	
Hildenbrandia rubra (Sommerfelt) Meneghini, 1841	León-Tejera *et al.* (1993)
Order Nemaliales Schmitz ex Engler, 1892	
Family Galaxauraceae P.G. Parkinson, 1983	
Galaxaura rugosa (J. Ellis and Solander) J.V. Lamouroux, 1816	León-Tejera *et al.* (1993)
Scinaia latifrons M.A. Howe, 1911	León-Tejera and González-González (1993)
Tricleocarpa cylindrica (J. Ellis and Solander) Huisman and Borowitzka, 1990 =*Galaxaura fastigiata* Decaisne 1842	León-Tejera *et al.* (1993)
Family Liagoraceae Kützing, 1843	
Dermonema virens (J. Agardh) Pedroche and Ávila-Ortíz, 1996 =*Nemalion virens* J. Agardh 1847	León-Tejera and González-González (1993)
Order Rhodymeniales Schmitz ex Engler, 1892	
Family Champiaceae Kützing, 1843	
Champia parvula (C. Agardh) Harvey, 1853	León-Tejera and González-González (1993)
Family Rhodymeniaceae Harvey, 1849	
Gelidiopsis variabilis (Greville ex J. Agardh) Schmitz, 1895 =*Gelidiopsis tenuis* Setchell and Gardner 1924	León-Tejera *et al.* (1993)
Microphyllum crispum (W.R. Taylor) E.Y. Dawson, 1963	Mateo-Cid and Mendoza-González (1997)
Rhodymenia divaricata E.Y. Dawson, 1941	León-Tejera and González-González (1993)
Kingdom Chromista Cavalier-Smith, 1981	
Class Phaeophyceae Kjellman, 1891	
Order Dictyotales Bory de Saint-Vincent, 1828	
Family Dictyotaceae J.V. Lamouroux ex Dumortier, 1822	
Dictyota binghamiae J. Agardh, 1894 =*Pachydictyon binghamiae* (J. Agardh) E.Y. Dawson 1950	León-Tejera and González-González (1993)
Dictyota crenulata J. Agardh, 1847	León-Tejera and González-González (1993)
Dictyota dichotoma (Hudson) J.V. Lamouroux, 1809	León-Tejera *et al.* (1993)
Dictyota dichotoma var. *intricata* (C. Agardh) Greville, 1830 =*Dictyota divaricata* J.V. Lamouroux 1809	León-Tejera and González-González (1993)
Dictyota flabellata (F.S. Collins) Setchell and N.L. Gardner, 1924	León-Tejera and González-González (1993)
Dictyota friabilis Setchell, 1926 =*Dictyota pfafi* Schnetter 1972	León-Tejera *et al.* (1993)
Dictyota pinnata (E.Y. Dawson) I. Hörnig, R. Schnetteret and Prud'homme van Reine, 1993	Mendoza-González and Mateo-Cid (1998)
Dictyopteris delicatula J.V. Lamouroux, 1809	Mendoza-González and Mateo-Cid (1998)
Lobophora variegate (J.V. Lamouroux) Womersley ex E.C. Oliveira, 1977	León-Álvarez and González-González (1993)

Table 3. ***Continued.***

Padina caulescens Thivy ex W.R. Taylor, 1945	Mateo-Cid and Mendoza-González (1997)
Padina crispata Thivy ex W.R. Taylor, 1945	León-Tejera and González-González (1993)
Padina durvillaei Bory Saint-Vincent, 1827	León-Tejera *et al.* (1993)
Padina gymnospora (Kützing) Sonder, 1871	León-Tejera *et al.* (1993)
Padina mexicana E.Y. Dawson, 1944	Mendoza-González and Mateo-Cid (1998)
P. mexicana var. *erecta* Ávila-Ortiz, 2003	Ávila-Ortiz (2003)
Order Ectocarpales Bessey, 1907	
Family Acinetosporaceae Hamel ex J. Feldmann, 1937	
Feldmannia cylindrica (Saunders) Hollenberg and I.A. Abbott, 1966	León-Tejera *et al.* (1993)
Feldmannia indica (Sonder) (Sonder) Womersley and A. Bailey, 1970	León-Tejera and González-González (1993)
Hincksia mitchelliae (Harvey) P.C. Silva ex Silva, Meñez and Moe, 1987	León-Tejera and González-González (1993)
Hincksia rallsiae (Vickers) ex P.C. Silva, Meñez and Moe, 1987	Mateo-Cid and Mendoza-González (1997)
Family Chordariaceae Greville, 1830	
Kuetzingiella elachistaeformis (Heydrich) M. Balakrishnan and Kinkar, 1981 =*Feldmannia elachistaeformis* (Heydrich) Pham-Hoàng Hô 1969	León-Tejera *et al.* (1993)
Family Ectocarpaceae C. Agardh, 1828	
Ectocarpus commensalis Setchell and N.L. Gardner, 1922 =*Ectocarpus parvus* (De A. Saunders) H. Hollenberg 1971	Mendoza-González and Mateo-Cid (1998)
Ectocarpus siliculosus var. *dasycarpus* (Kuckuck) Gallardo, 1992 =*Ectocarpus confervoides* (Roth) Le Jol. var. *dasycarpa* (Kuckuck) Rosenvinge and Lund 1941	León-Tejera *et al.* (1993)
Ectocarpus siliculosus var. *pygmaeus* (J.E. Areschoug) Gallardo, 1992 =*Ectocarpus confervoides* (Roth) Le Jolis. var. *pygmaeus* (J. Areschoug) Rosenvinge 1893	León-Tejera *et al.* (1993)
Order Fucales Bory de Saint-Vincent, 1827	
Family Sargassaceae Kützing, 1843	
Sargassum howellii Setchell, 1937	Mendoza-González and Mateo-Cid (1998)
Sargassum liebmanii J. Agardh, 1847	León-Tejera *et al.* (1993)
Order Ralfsiales Nakamura ex Lim and Kawai ex Lim, Sakaguchi, Hanyuda, Kogame, Phang and Kawai, 2007	
Family Ralfsiaceae Farlow, 1881	
Ralfsia confusa Hollenberg, 1969	León-Tejera *et al.* (1993)
Ralfsia hancockii E.Y. Dawson, 1944	León-Álvarez and González-González (1993)
Stragularia clavata (Harvey) G. Hamel, 1939	León-Álvarez and González-González (1993)
Order Scytosiphonales Feldmann, 1949	
Family Chnoosporaceae Setchell and N.L. Gardner, 1925	
Chnoospora minima (Hering) Papenfuss, 1956	León-Tejera and González-González (1993)
Family Scytosiphonaceae Farlow, 1881	
Colpomenia ramosa W.R. Taylor, 1945	Mateo-Cid and Mendoza-González (1997)
Diplura simulans Hollenberg, 1969	León-Tejera *et al.* (1993)
Rosenvingea antillarum (P.L. Crouan and H.M. Crouan) M.J. Wynne, 1997	Aguilar-Rosas *et al.* (2009)
Rosenvingea floridana (W.R. Taylor) W.R. Taylor, 1955	Mendoza-González and Mateo-Cid (1998)
Order Scytothamnales A.F. Peters and M.N. Clayton, 1998	
Family Scytothamnaceae Womersley, 1987	
Asteronema breviarticulatum (J. Agardh) Ouriques and Bouzon, 2000 =*Ectocarpus breviarticulatus* J. Agardh 1847	León-Tejera and González-González (1993)
Order Sphacelariales Migula, 1909	
Family Sphacelariaceae Decaisne, 1842	
Hapalospongidion gelatinosum De A. Saunders, 1899	León-Tejera *et al.* (1993)
Pseudolithoderma nigrum Hollenberg, 1969	León-Álvarez and González-González (1993)
Sphacelaria rigidula Kützing, 1843	León-Tejera *et al.* (1993)
Sphacelaria tribuloides meneghini 1840	León-Tejera *et al.* (1993)

Table 4. Checklist of the sponges recorded in the marine areas of Oaxaca, Mexico.

Phylum Porifera Grant, 1836	**Reference**
Class Demospongiae Sollas, 1885	
Order Astrophorida Sollas, 1887	
Family Thoosidae Cockerell, 1925	
Thoosa calpulli Carballo, Cruz-Barraza and Gómez, 2004	Carballo *et al.* (2008a)
Order Chondrosida Boury-Esnault and López, 1985	
Family Chondrillidae Gray, 1872	
Chondrilla montanusa Carballo, Gómez, Cruz-Barraza and Flores-Sánchez, 2003	Carballo *et al.* (2003)
Chondrosia tenochca Carballo, Gómez, Cruz-Barraza and Flores-Sánchez, 2003	Carballo *et al.* (2003)
Order Hadromeridae Topsent, 1894	
Family Clionaidae d'Orbigny, 1851	
Cliona mucronata Sollas, 1878	Bautista-Guerrero *et al.* (2006)

Table 4. ***Continued.***

Cliona pocillopora Bautista-Guerrero, Carballo, Cruz-Barraza and Nava, 2006	Bautista-Guerrero *et al.* (2006)
Cliona tropicalis Cruz-Barraza, Carballo, Bautista-Guerrero and Nava, 2011	Cruz-Barraza *et al.* (2011)
Cliona vermifera Hancock, 1867	Carballo *et al.* (2008a)
Cliona sp. Carballo, Bautista-Guerrero and Leyte-Morales, 2008	Carballo *et al.* (2008a)
Cliothosa hancocki (Topsent, 1888)	Carballo *et al.* (2008a)
Cliothosa tylostrongylata Cruz-Barraza, Carballo, Bautista-Guerrero and Nava, 2011	Cruz-Barraza *et al.* (2011)
Pione carpenteri (Hancock, 1867)	Carballo *et al.* (2008a)
Order Haplosclerida Topsent, 1928	
Family Callyspongiidae de Laubenfels, 1936	
Callyspongia californica Dickinson, 1945	Dickinson (1945)
Family Niphatidae van Soest, 1980	
Amphimedon texotli Cruz-Barraza and Carballo, 2008	Cruz-Barraza and Carballo (2008)
Family Phloeodictyidae Carter, 1882	
Aka cryptica Carballo, Hepburn, Nava, Cruz-Barraza and Bautista-Guerrero, 2007	Carballo *et al.* (2007)
Order Poecilosclerida Topsent, 1928	
Family Mycalidae Lundbeck, 1905	
Mycale (Carmia) cecilia de Laubenfels, 1936	Carballo and Cruz-Barraza (2010)
Mycale (Carmia) aff. magnirhaphidifera van Soest, 1984	Carballo and Cruz-Barraza (2010)
Order Verongida Bergquist, 1978	
Family Aplysinidae Carter, 1875	
Aplysina gerardogreeni Gómez and Bakus, 1992	Gómez and Bakus (1992)

Table 5. Checklist of the cnidarians recorded in marine areas from Oaxaca, Mexico. Order according to Daly *et al.* (2007).

Phylum Cnidaria Hatschek, 1888	Reference
Class Anthozoa Ehrenberg, 1834	
SubClass Hexacorallia Haeckel1866	
Order Scleractinia Bourne, 1900	
SubOrder Astrocoeniina Vaughan and Wells, 1943	
Family Pocilloporidae Gray, 1842	
Madracis pharensis (Heller, 1868)	Reyes-Bonilla and Cruz-Piñón (2000)
Pocillopora capitata Verril, 1864	Palmer (1928)
Pocillopora damicornis (Linnaeus, 1758)	Squires (1959)
Pocillopora effusus Veron, 2000	Glynn and Ault (2000)
Pocillopora elegans Dana, 1846	Reyes-Bonilla *et al.* (2005)
Pocillopora eydouxi Milne-Edwards and Haime, 1860	Palmer (1928)
Pocillopora inflata Glynn, 1999	Leyte-Morales (1997)
Pocillopora meandrina Dana, 1846	Glynn and Leyte-Morales (1997)
Pocillopora verrucosa (Ellis and Solander, 1786)	Leyte-Morales (1997)
SubOrder Fungiina Verrill, 1865	
Family Agariciidae Gray, 1847	
Gardineroseris planulata (Dana, 1846)	Leyte-Morales (1997)
Leptoseris papyracea (Dana, 1846)	Leyte-Morales *et al.* (2001)
Pavona clavus (Dana, 1846)	Leyte-Morales (1997)
Pavona gigantea Verril, 1869	Durham (1947)
Pavona varians Verril, 1964	Leyte-Morales (1997)
Family Fungiacyathidae Chevalier, 1987	
Fungiacyathus marenzelleri (Vaughan, 1906)	Reyes-Bonilla and Cruz-Piñón (2000)
Family Fungiidae Dana, 1846	
Fungia distorta Michelin, 1842	Reyes-Bonilla *et al.* (2005)
Family Poritidae Gray, 1842	
Porites panamensis Verril, 1866	Palmer (1928)
Family Siderastreidae Vaughan and Wells, 1943	
Psammocora stellata (Verril, 1866)	Glynn and Leyte-Morales (1997)
SubOrder Faviina Vaughan and Wells, 1943	
Family Oculinidae Gray, 1847	
Madrepora oculata Linnaeus, 1758	Reyes-Bonilla and Cruz-Piñón (2000)
Oculina profunda Cairns, 1991	Reyes-Bonilla and Cruz-Piñón (2000)
Family Rhizangiidae D'Orbigny, 1851	
Astrangia browni Palmer, 1928	Palmer (1928)
Astrangia costata Verril, 1866	Reyes-Bonilla and Cruz-Piñón (2000)
Astrangia dentata Verril, 1866	Reyes-Bonilla and Cruz-Piñón (2000)
Astrangia haimei Verril, 1866	Palmer (1928)
Astrangia tangolaensis Durham, 1947	Durham (1947)

Table 5. ***Continued.***

Coenangia conferta Verril, 1870	Reyes-Bonilla and Cruz-Piñón (2000)
SubOrder Caryophyllina Vaughan and Wells, 1943	
Family Caryophylliidae Dana, 1846	
Caryophyllia diomedeae Marenzeller, 1904	Reyes-Bonilla and Cruz-Piñón (2000)
Coenocyathus bowersi Vaughan, 1906	Reyes-Bonilla and Cruz-Piñón (2000)
Desmophyllum dianthus (Esper, 1794)	Reyes-Bonilla and Cruz-Piñón (2000)
Lophelia pertusa (Linnaeus, 1758)	Reyes-Bonilla and Cruz-Piñón (2000)
Paracyathus humilis Verrill, 1870	Reyes-Bonilla and Cruz-Piñón (2000)
Phyllangia consagensis (Durham and Barnard, 1952)	Reyes-Bonilla and Cruz-Piñón (2000)
Phyllangia dispersa Verril, 1864	Reyes-Bonilla and Cruz-Piñón (2000)
Family Flabellidae Bourne, 1905	
Javania cailleti (Duchassaing and Michelotti, 1864)	Reyes-Bonilla and Cruz-Piñón (2000)
Polymyces montereyensis (Durham, 1947)	Reyes-Bonilla and Cruz-Piñón (2000)
Family Turbinoliidae Milne-Edwards and Haime, 1848	
Sphenotrochus hancocki Durham and Barnard, 1952	Reyes-Bonilla and Cruz-Piñón (2000)
SubOrder Dendrophylliina Vaughan and Wells, 1943	
Family Dendrophylliidae Gray, 1847	
Balanophyllia cedrosensis Durham, 1947	Reyes-Bonilla and Cruz-Piñón (2000)
Cladopsammia eguchii (Wells, 1982)	Reyes-Bonilla and Cruz-Piñón (2000)
Dendrophyllia oldroydae Oldroyd, 1924	Reyes-Bonilla and Cruz-Piñón (2000)
Endopachys grayi Milne-Edwards and Haime, 1848	Reyes-Bonilla and Cruz-Piñón (2000)
Tubastraea coccinea Lesson, 1829	Reyes-Bonilla *et al.* (1997)
SubClass Octocorallia Haeckel, 1866	
Order Alcyonacea Lamouroux, 1816	
Family Plexauridae Gray, 1859	
Plexauriidae sp. (Luke, 1998)	Luke (1998)
Order Pennatulacea Verrill, 1865	
Family Pennatulidae Ehrenberg, 1828	
Ptilosarcus undulatus (Verrill, 1865)	Luke (1998)
Family Renillidae Gray, 1860	
Renilla sp. (Luke, 1998)	Luke (1998)
Class Hydrozoa Owen, 1843	
SubClass Hydroidolina Collins, 2000	
Order Anthoathecata Cornelius, 1992	
SubOrder Filifera Kühn, 1913	
Family Bougainvilliidae Lütken, 1850	
Bougainvillia crassa Fraser, 1938	Fraser (1938a)
Bougainvillia robusta (Fraser, 1938) (*species inquirenda*)	Fraser (1938a)
Family Eudendriidae Agassiz, 1862	
Eudendrium ramosum (Linnaeus, 1758)	Fraser (1938a)
Eudendrium tenellum Allman, 1877 (*species inquirenda*)	Fraser (1938a)
Family Hydractiniidae Agassiz, 1862	
Hydractinia apicata (Kramp, 1959)	Segura-Puertas (1984)
Hydractinia carolinae Fraser, 1912	Fraser (1938a)
Family Oceaniidae Eschscholtz, 1829	
Garveia laxa (Fraser, 1938) (*species inquirenda*)	Fraser (1938a)
Tubiclava triserialis Fraser, 1938 (*nomen dubium*)	Fraser (1938a)
Turritopsis nutricula McCrady, 1857	Fraser (1938a)
Family Pandeidae Haeckel, 1879	
Halitholus pauper Hartlaub, 1913	Segura-Puertas (1984)
Leuckartiara zacae Bigelow, 1940	Segura-Puertas (1984)
Leuckartiara octona (Fleming, 1823)	Fraser (1938a)
Family Proboscidactylidae Hand and Hendrickson, 1950	
Proboscidactyla ornata (McCrady, 1859)	Segura-Puertas (1984)
Family Rathkeidae Russell, 1953	
Lizzia alvarinoae Segura, 1980	Segura-Puertas (1984)
Lizzia ferrarii Segura, 1980	Segura-Puertas (1984)
Lizzia gracilis (Mayer, 1900)	Segura-Puertas (1984)
Podocorynoides minima (Trinci, 1903)	Segura-Puertas (1984)
SubOrder Capitata Kühn, 1913	
Family Corymorphidae Allman, 1872	
Euphysilla pyramidata Kramp, 1955	Segura-Puertas (1984)

Table 5. ***Continued.***

Family Tubulariidae Fleming, 1828	
Ectopleura sacculifera Kramp, 1957	Segura-Puertas (1984)
Family Zancleidae Russell, 1953	
Zanclea costata Gegenbaur, 1857	Segura-Puertas (1984)
Order Leptothecata Cornelius, 1982	
SubOrder Conica Broch, 1910	
Family Aequoreidae Eschscholtz, 1829	
Aequorea coerulescens (Brandt, 1838)	Segura-Puertas (1984)
Family Eirenidae Haeckel, 1879	
Phialopsis diegensis Torrey, 1909	Segura-Puertas (1984)
Family Haleciidae Hincks, 1868	
Endothecium reduplicatum Fraser, 1935	Fraser (1948)
Halecium beanii (Johnston, 1838)	Fraser (1938a)
Halecium flabellatum Fraser, 1935	Fraser (1938a)
Halecium halecinum (Linnaeus, 1758)	Fraser (1938a)
Family Halopteridídae Millard, 1962	
Antennella secundaria (Gmelin, 1791)	Fraser (1938a)
Monostaechas quadridens (McCrady, 1859)	Fraser (1938a)
Family Hebellidae Fraser, 1912	
Scandia expansa Fraser, 1938 (*nomen dubium*)	Fraser (1938b)
Family Lafoeidae Hincks, 1868	
Filellum serpens (Hassall, 1848)	Fraser (1938a)
Family Lovenellidae Russell, 1953	
Eucheilota comata (Bigelow, 1909)	Segura-Puertas (1984)
Eucheilota menoni A. Agassiz, 1862	Segura-Puertas (1984)
Lovenella nodosa Fraser, 1938	Fraser (1938a)
Family Malagazziidae Bouillon, 1984	
Octophialucium bigelowi Kramp, 1955	Segura-Puertas (1984)
Family Plumulariidae Agassiz, 1862	
Plumularia adjecta Fraser, 1948	Fraser (1948)
Plumularia biarmata Fraser, 1938	Fraser (1938a)
Plumularia floridana Nutting, 1900	Fraser (1938a)
Plumularia propinqua Fraser, 1938	Fraser (1938a)
Family Sertulariidae Linnaeus, 1758	
Dynamena crisioides Lamouroux, 1824	Fraser (1948)
Dynamena disticha (Bosc, 1802)	Fraser (1938a)
Sertularella conica Allman, 1877	Fraser (1938a)
Sertularia desmoides Torrey, 1902	Fraser (1938a)
Sertularia distans (Lamouroux, 1816)	Fraser (1948)
Thuiaria tubuliformis Nutting, 1904	Fraser (1938a)
SubOrder Proboscoida Broch, 1910	
Family Campanulariidae Johnston, 1836	
Clytia bakeri Torrey, 1904	Fraser (1938b)
Clytia fascicularis Fraser, 1938	Fraser (1938a)
Clytia gracilis (Sars, 1850)	Fraser (1938a)
Clytia hemisphaerica (Linnaeus, 1767)	Fraser (1938a)
Clytia hesperia (Torrey, 1904) (*species inquirenda*)	Fraser (1948)
Clytia irregularis Fraser, 1938	Fraser (1938a)
Clytia kincaidi (Nutting, 1899)	Fraser (1938a)
Clytia paulensis (Vanhöffen, 1910)	Fraser (1938a)
Clytia seriata Fraser, 1938	Fraser (1938a)
Clytia simplex (Browne, 1902)	Segura-Puertas (1984)
Clytia universitatis Torrey, 1904	Fraser (1938b)
Obelia dichotoma (Linnaeus, 1758)	Fraser (1938a)
Obelia geniculata (Linnaeus, 1758)	Fraser (1938a)
SubClass Trachylina Parker, 1982	
Order Narcomedusae Haeckel, 1879	
Family Aeginidae Gegenbaur, 1857	
Solmundella bitentaculata (Quoy and Gaimard, 1833)	Segura-Puertas (1984)
Family Cuninidae Bigelow, 1913	
Cunina frugifera Kramp, 1948	Segura-Puertas (1984)
Cunina octonaria McCrady, 1857	Segura-Puertas (1984)
Cunina peregrina Bigelow, 1909	Segura-Puertas (1984)

Table 5. ***Continued.***

Cunina tenella (Bigellow, 1909)	Segura-Puertas (1984)
Family Solmarisidae Haeckel, 1879	
Pegantha martagon Haeckel, 1879	Segura-Puertas (1984)
Pegantha triloba Haeckel, 1879	Segura-Puertas (1984)
Order Trachymedusae Haeckel, 1866	
Family Geryoniidae Péron and Lesueur, 1810	
Geryonia proboscidalis (Huxley, 1859)	Segura-Puertas (1984)
Liriope tetraphylla (Chamisso and Eysenhardt, 1821)	Segura-Puertas (1984)
Family Rhopalonematidae Russell, 1953	
Aglaura hemistoma Péron and Lesueur, 1810	Segura-Puertas (1984)
Amphogona apicata Kramp, 1957	Segura-Puertas (1984)
Rhopalonema velatum Gegenbaur, 1857	Segura-Puertas (1984)
Sminthea eurygaster Gegenbaur, 1856	Segura-Puertas (1984)
Class Scyphozoa Götte, 1887	
Order Coronatae Vanhöffen, 1892	
Family Nausithoidae Bigelow, 1913	
Nausithoe punctata Kölliker, 1853	Segura-Puertas (1984)
Order Semaeostomeae Agassiz, 1862	
Family Pelagiidae Gegenbaur, 1856	
Pelagia noctiluca (Forsskal, 1775)	Segura-Puertas (1984)
Order Rhizostomeae Cuvier, 1799	
Family Cassiopeidae Agassiz, 1862	
Cassiopea sp. Péron and Lesueur, 1810	Chávez (1979)
Family Stomolophidae Haeckel, 1880	
Stomolophus meleagris Agassiz, 1862	Chávez (1979)

Table 6. Checklist of the platyhelmints recorded in marine areas from Oaxaca, Mexico. Order according to Cavalier-Smith (1998). When the species-name of the record was changed, because it was synonymized, it was indicated with a '=' symbol, followed by original recorded name in parenthesis.

Phylum Platyhelminthes Gegenbaur, 1859 em. Minot, 1876.	**Reference**
Class Monogenea (Van Beneden, 1858) Carus, 1863	
SubClass Polyopisthocotylea Odhner, 1912	
Order Mazocraeidea Price, 1936	
Family Gastrocotylidae Price, 1943	
Pseudaxine mexicana Meserve, 1938	Meserve (1938)
Family Neothoracocotylidae Lebedev, 1969	
Thoracocotyle paradoxica Meserve, 1938	Meserve (1938)
Class Trematoda Rudolphi, 1808	
SubClass Digenea Carus, 1863	
Order Plagiorchiida La Rue, 1957	
Family Acanthocolpidae Lühe, 1906	
Stephanostomum casum (Linton, 1910) McFarlane, 1934	Manter (1940)
Stephanostomum hispidum (Yamaguti, 1934) Manter, 1940	Manter (1940)
Family Apocreadiidae Skrjabin, 1942	
Homalometron mexicanum (Manter, 1937) (=*Apocreadium mexicanum*)	Manter (1937)
Family Cryptogonimidae Ward, 1917	
Paracryptogonimus americanus Manter, 1940	Manter (1940)
Family Plagiorchiidae Lühe, 1901	
Enodiotrema megachondrus Looss, 1901	Gámez-Vivaldo *et al.* (2006)
Family Pronocephalidae Looss, 1899	
Adenogaster serialis Looss, 1901	Gámez-Vivaldo *et al.* (2006)

Table 7. Checklist of the nemerteans recorded in marine areas from Oaxaca, Mexico. Order according to Cavalier-Smith (1998).

Phylum Nemertea Minot, 1876.	**Reference**
Class Anopla Schultze, 1851	
Subclass Heteronemertea	
Family Lineidae	
Euborlasia hancocki Coe, 1940	Coe (1940)

Table 8. Checklist of the annelids in the marine areas of Oaxaca, Mexico. When the species-name of the record was changed, because it was synonymized, it was indicated with a '=' symbol, followed by original recorded name in parenthesis. EX= invasive species; Q= questionable species-names.

Phylum Annelida Lamarck, 1809	**Reference**
Class Clitellata Lamarck, 1818	
Family Ozobranchidae Pinto, 1921	
Ozobranchus branchiatus (Menzies, 1791)	Gámez-Vivaldo *et al.* (2006)

TABLE 8. ***CONTINUED.***

Class Polychaeta Grube, 1850	
Family Alciopidae Ehlers, 1864	
Alciopina parasitica Claparède and Panceri, 1867 **Q**	Fernández-Álamo (1987)
Krohnia lepidota (Krohn, 1845) **Q**	Fernández-Álamo and Sanvicente-Añorve (2005)
Plotohelmis capitata (Greeff, 1876) **Q**	Fernández-Álamo (1987)
Rhynchonerella gracilis Costa, 1862 **Q**	Fernández-Álamo (1987)
Rhynchonerella moebii (Apstein, 1893) **Q**	Fernández-Álamo (1987)
Family Ampharetidae Malmgren, 1867	
Amphicteis scaphobranchiata Moore, 1906	Solís-Weiss *et al.* (2000)
Isolda pulchella Müller, *in* Grube, 1858 **Q**	Solís-Weiss *et al.* (2000)
Pterolysippe vanelli (Fauvel, 1936) *sensu* Eliason, 1955 **Q**	Solís-Weiss *et al.* (2000)
Family Amphinomidae Savigny, *in* Lamarck, 1818	
Chloeia viridis Schmarda, 1861 **Q**	Treadwell (1941)
Eurythoe complanata (Pallas, 1766) **Q**	Hartman (1940)
Linopherus ambigua (Monro, 1933)	Solís-Weiss *et al.* (2000)
Notopygos ornata Grube, 1856	Gómez *et al.* (1997)
Pareurythoe californica (Johnson, 1897)	Gómez *et al.* (1997)
Family Aphroditidae Malmgren, 1867	
Aphrodita sp. Treadwell (1941)	Treadwell (1941)
Family Capitellidae Grube, 1862	
Notomastus daueri Ewing, 1982 **Q**	González-Ortiz *et al.* (1996)
Notomastus (Clistomastus) hemipodus Hartman, 1947 **Q**	Solís-Weiss *et al.* (2000)
Family Chrysopetalidae Ehlers, 1864	
Chrysopetalum occidentale Johnson, 1897 **Q**	Gómez *et al.* (1997)
Family Cirratulidae Carus, 1863	
Aphelochaeta multifilis (Moore, 1909) **Q**	Fauchald (1972)
Chaetozone setosa Malmgren, 1867 **Q**	Solís-Weiss *et al.* (2000)
Cirratulus sp.	Gómez *et al.* (1997)
Monticellina serratiseta (Banse and Hobson, 1968) **Q**	Solís-Weiss *et al.* (2000)
M. tesselata (Hartman, 1960) **Q**	Solís-Weiss *et al.* (2000)
Tharyx parvus Berkeley, 1929 **Q**	Solís-Weiss *et al.* (2000)
Family Cossuridae Day, 1963	
Cossura brunnea Fauchald, 1972	Fauchald (1972)
Family Dorvilleidae Chamberlin, 1919	
Dorvillea cerasina (Ehlers, 1901) **Q**	Gómez *et al.* (1997)
Family Eulepethidae Chamberlin, 1919	
Grubeulepis mexicana (Berkeley and Berkeley, 1939)	Solís-Weiss *et al.* (2000)
Family Eunicidae Berthold, 1827	
Eunice antennata (Savigny *in* Lamarck, 1818) **Q**	Hartman (1944)
Eunice cf. aphroditois	Ruiz-Cancino *et al.* (2011)
Eunice chicasi de León-González, Rivera and Romero, 2004	Ruiz-Cancino *et al.* (2011)
Eunice filamentosa Grube, 1856 **Q**	Hartman (1944)
Eunice cf. filamentosa	Ruiz-Cancino *et al.* (2011)
Eunice gagzoi Augener, 1922 **Q**	Gómez *et al.* (1997)
Eunice lucei Grube, 1856	Gómez *et al.* (1997)
Eunice mutilata Webster, 1884 **Q**	Gómez *et al.* (1997)
Eunice vittata (Delle Chiaje, 1828) **Q**	Solís-Weiss *et al.* (2000)
Eunice sp. 2	Ruiz-Cancino *et al.* (2011)
Lysidice cf. collaris	Ruiz-Cancino *et al.* (2011)
Lysidice ninetta Audouin and Milne-Edwards, 1833 **Q**	Gómez *et al.* (1997)
Marphysa aenea (Blanchard, 1849) **Q**	Hartman (1944)
Marphysa mixta Fauchald, 1970	Fauchald (1970)
Marphysa sp.	Ruiz-Cancino *et al.* (2011)
Nematonereis unicornis (Grube, 1840) **Q**	Gómez *et al.* (1997)
Nematonereis cf. unicornis	Ruiz-Cancino *et al.* (2011)
Palola pallidus Hartman, 1938 **Q**	Ruiz-Cancino *et al.* (2011)
Palola siciliensis (Grube, 1840) **Q**	Rioja (1962)
Palola sp. 1	Ruiz-Cancino *et al.* (2011)
Palola sp. 2	Ruiz-Cancino *et al.* (2011)
Family Flabelligeridae Saint-Joseph, 1894	
Brada villosa (Rathke, 1843) **Q**	Solís-Weiss *et al.* (2000)
Ilyphagus bythincola Chamberlin, 1919	Chamberlin (1919)
Pherusa inflata (Treadwell, 1914) **Q**	Gómez *et al.* (1997)

TABLE 8. ***CONTINUED.***

Piromis gracilis Hartman, 1961 **Q**	Hartman (1961)
Family Glyceridae Grube, 1850	
Glycera convoluta Keferstein, 1862 **Q**	Solís-Weiss *et al.* (2000)
Glycera papillosa Grube, 1857 **Q**	Solís-Weiss *et al.* (2000)
Glycera tesselata Grube, 1840 **Q**	Solís-Weiss *et al.* (2000)
Family Goniadidae Kinberg, 1866	
Glycinde solitaria (Webster, 1879) **Q**	Solís-Weiss *et al.* (2000)
Goniada maculata Örsted, 1843 **Q**	Solís-Weiss *et al.* (2000)
Family Hesionidae Grube, 1850	
Podarke pugettensis Johnson, 1901 **Q**	Gómez *et al.* (1997)
Family Iospilidae Bergström, 1914	
Phalacrophorus uniformis Reibisch, 1895 **Q**	Fernández-Álamo (1987)
Family Lopadorhynchidae Claparède, 1868	
Lopadorhynchus brevis Grube, 1855 **Q**	Fernández-Álamo (1987)
Lopadorhynchus henseni Reibisch, 1893 **Q**	Fernández-Álamo (2002)
Lopadorhynchus krohnii (Claparède, 1870) **Q**	Fernández-Álamo (2002)
Lopadorhynchus nationalis Reibisch, 1895 **Q**	Fernández-Álamo (1987)
Lopadorhynchus uncinatus Fauvel, 1915 **Q**	Dales (1957)
Pelagobia longicirrata Greeff, 1879 **Q**	Fernández-Álamo (1987)
Family Lumbrineridae Schmarda, 1861	
Lumbrineris latreilli Audouin and Milne-Edwards, 1834 Q	Hartman (1944)
Lumbrineris limicola Hartman, 1944 **Q**	Solís-Weiss *et al.* (2000)
Lumbrineris platylobata Fauchald, 1970	Solís-Weiss *et al.* (2000)
Ninoe foliosa Fauchald, 1972	Solís-Weiss *et al.* (2000)
Ninoe jessicae Hernández-Alcántara, Pérez-Mendoza and Solís-Weiss, 2006	Hernández-Alcántara *et al.* (2006)
Scoletoma crassidentata (Fauchald, 1970)	Solís-Weiss *et al.* (2000)
Scoletoma tetraura (Schmarda, 1861) **Q**	Solís-Weiss *et al.* (2000)
Scoletoma uncinigera (Hartmann-Schröder, 1959)	Gómez *et al.* (1997)
Scoletoma zonata (Johnson, 1901) **Q**	Solís-Weiss *et al.* (2000)
Family Magelonidae Cunningham and Ramage, 1888	
Magelona californica Hartman, 1944 **Q**	Solís-Weiss *et al.* (2000)
Magelona pacifica Monro, 1933	Solís-Weiss *et al.* (2000)
Magelona pitelkai Hartman, 1944 **Q**	Solís-Weiss *et al.* (2000)
Magelona tehuanensis Hernández-Alcántara and Solís-Weiss, 2000	Hernández-Alcántara and Solís-Weiss (2000)
Family Maldanidae Malmgren, 1867	
Maldanella fibrillata Chamberlin, 1919 **Q**	Chamberlin (1919)
Maldanidae sp. Chamberlin, 1919	Chamberlin (1919)
Family Nephtyidae Grube, 1850	
Aglaophamus verrilli (McIntosh, 1885) **Q**	Solís-Weiss *et al.* (2000)
Nephtys caecoides Hartman, 1938 **Q**	Hartman (1950)
Nephtys magellanica Augener, 1912 **Q**	Hartman (1940)
Nephtys paradoxa Malm, 1874 **Q**	Fauchald (1972)
Nephtys parva Clark and Jones, 1955 **Q**	Solís-Weiss *et al.* (2000)
Family Nereididae Johnston, 1865	
Alitta succinea (Frey and Leuckart, 1847) **Q**	Solís-Weiss *et al.* (2000)
Ceratocephale oculata Banse, 1977 **Q**	Solís-Weiss *et al.* (2000)
Ceratonereis singularis Treadwell, 1929	Gómez *et al.* (1997)
Gymnonereis crosslandi (Monro, 1933)	Solís-Weiss *et al.* (2000)
Neanthes pseudonoodti Fauchald, 1977	Gómez *et al.* (1997)
Nereis angelensis Fauchald, 1972	Solís-Weiss *et al.* (2000)
Nereis callaona (Grube, 1857)	Gómez *et al.* (1997)
Nereis mediator Chamberlin, 1918 **Q**	Hernández-Alcántara *et al.* (2003)
Nereis pelagica Linnaeus, 1758 **Q**	Solís-Weiss *et al.* (2000)
Nereis pseudoneanthes Hartman, 1936 (=*N. mediator* after Hartman 1959) **Q**	Hartman (1940)
Nicon sp. Gómez *et al.* (1997)	Gómez *et al.* (1997)
Perinereis elenacasoae Rioja, 1947	Gómez *et al.* (1997)
Pseudonereis gallapagensis Kinberg, 1866	Hartman (1940)
Family Oenonidae Kinberg, 1865	
Arabella iricolor (Montagu, 1804) **Q**	Solís-Weiss *et al.* (2000)
Oenone fulgida (Savigny *in* Lamarck, 1818) **Q**	Gómez *et al.* (1997)
Family Onuphidae Kinberg, 1865	
Diopatra obliqua Hartman, 1944	Hartman (1944)
Diopatra ornata Moore, 1911 **Q**	Treadwell (1941)

Table 8. ***Continued.***

Diopatra splendidissima Kinberg, 1865	González-Ortiz *et al.* (1997)
Diopatra tridentata Hartman, 1944 **Q**	González-Ortiz *et al.* (1997)
Kinbergonuphis cedroensis (Fauchald, 1968) **Q**	González-Ortiz *et al.* (1997)
Mooreonuphis nebulosa (Moore, 1911) **Q**	Fauchald (1968)
Mooreonuphis peruana (Hartman, 1944)	Solís-Weiss *et al.* (2000)
Onuphis vexillaria Moore, 1911 **Q**	Hartman (1944)
Sarsonuphis litabranchia (Chamberlin, 1919)	Chamberlin (1919)
Family Opheliidae Malmgren, 1867	
Armandia agilis (Andrews, 1891) **Q**	Solís-Weiss *et al.* (2000)
Armandia brevis (Moore, 1906) **Q**	Gómez *et al.* (1997)
Armandia intermedia Fauvel, 1902 **Q**	Solís-Weiss *et al.* (2000)
Ophelia assimilis Tebble, 1953 **Q**	González-Ortiz *et al.* (1996)
Ophelia pulchella Tebble, 1953 **Q**	González-Ortiz *et al.* (1996)
Ophelina acuminata Örsted, 1843 **Q**	Solís-Weiss *et al.* (2000)
Polyophtalmus pictus (Dujardin, 1839) **Q**	Gómez *et al.* (1997)
Family Orbiniidae Hartman, 1957	
Leitoscoloplos mexicanus (Fauchald, 1972)	Solís-Weiss *et al.* (2000)
Leitoscoloplos panamensis (Monro, 1933)	Solís-Weiss *et al.* (2000)
Leitoscoloplos pugettensis (Pettibone, 1957) **Q**	Solís-Weiss *et al.* (2000)
Scoloplos (Leodamas) ohlini (Ehlers, 1901) **Q**	Solís-Weiss *et al.* (2000)
Scoloplos cf. capensis sensu Solís-Weiss *et al.* (2000)	Solís-Weiss *et al.* (2000)
Family Paraonidae Cerruti, 1909	
Aricidea suecica Eliason, 1920 **Q**	Solís-Weiss *et al.* (2000)
Aricidea (Acmira) lopezi Berkeley and Berkeley, 1956 **Q**	Fauchald (1972)
Aricidea (Aedicira) pacifica Hartman, 1944 **Q**	Solís-Weiss *et al.* (2000)
Aricidea (Aricidea) fragilis Webster, 1879 **Q**	Solís-Weiss *et al.* (2000)
Aricidea (Aricidea) longicirrata Hartmann-Schröder, 1965 Q	Solís-Weiss *et al.* (2000)
Cirrophorus furcatus (Hartman, 1957) **Q**	Solís-Weiss *et al.* (2000)
Levinsenia gracilis (Tauber, 1879) **Q**	Solís-Weiss *et al.* (2000)
Paradoneis lyra (Southern, 1914) **Q**	Solís-Weiss *et al.* (2000)
Family Pectinariidae Quatrefages, 1866	
Cistenides brevicoma (Johnson, 1901) **Q**	Hartman (1941)
Family Phyllodocidae Örsted, 1843	
Eteone sp.	Gómez *et al.* (1997)
Eulalia myriacyclum (Schmarda, 1861) **Q**	Gómez *et al.* (1997)
Nereiphylla castanea (von Marenzeller, 1879) **Q**	Gómez *et al.* (1997)
Phyllodoce (Anaitides) cortezi (Kudenov, 1975)	Gómez *et al.* (1997)
Phyllodoce (Anaitides) lamelligera (Linnaeus, 1791) **Q**	Gómez *et al.* (1997)
Phyllodoce (Anaitides) williamsi Hartman, 1936 **Q**	Gómez *et al.* (1997)
Family Pilargidae de Saint-Joseph, 1899	
Hermundura salazarvallejoi (de Léon-González, 1991)	Solís-Weiss *et al.* (2000)
Sigambra tentaculata (Treadwell, 1941) **Q**	Solís-Weiss *et al.* (2000)
Family Poecilochaetidae Hannerz, 1956	
Poecilochaetus johnsoni Hartman, 1939 **Q**	Solís-Weiss *et al.* (2000)
Family Polynoidae Malmgren, 1867	
Halosydna glabra Hartman, 1939	Gómez *et al.* (1997)
Halosydna leucohyba (Schmarda, 1861) **Q**	Gómez *et al.* (1997)
Harmothoe sp.	Gómez *et al.* (1997)
Lepidasthenia sp.	Gómez *et al.* (1997)
Lepidonopsis humilis (Augener, 1922) **Q**	Gómez *et al.* (1997)
Thormora johnstoni (Kinberg, 1855)	Gómez *et al.* (1997)
Family Sabellariidae Johnston, 1865	
Idanthyrsus cretus Chamberlin, 1919	Gómez *et al.* (1997)
Idanthyrsus saxicavus (Baird, 1863) **Q**	Gómez *et al.* (1997)
Phragmatopoma moerchi digitata Rioja, 1962	Rioja (1962)
Family Sabellidae Malmgren, 1867	
Jasmineira pacifica Annenkova, 1937 **Q**	González-Ortiz *et al.* (1996)
Megalomma carunculata Tovar-Hernández and Salazar-Vallejo, 2008	Tovar-Hernández and Salazar-Vallejo (2008)
Megalomma mushaensis (Gravier, 1906) **Q**	Gómez *et al.* (1997)
Megalomma splendida (Moore, 1905) **Q**	Rioja (1962)
Notaulax nudicollis (Kröyer, 1856) **Q**	Gómez *et al.* (1997)
Potamethus mucronatus (Moore, 1923) **Q**	Solís-Weiss *et al.* (2000)
Potamilla neglecta (Sars, 1851) **Q**	Solís-Weiss *et al.* (2000)

TABLE 8. *CONTINUED.*

Pseudopotamilla debilis Bush, 1905 **Q**	Gómez *et al.* (1997)
Pseudopotamilla reniformes (Müller, 1771) **Q**	Gómez *et al.* (1997)
Family Serpulidae Johnston, 1865	
Crucigera websteri Benedict, 1887	Bastida-Zavala (2008)
Hydroides brachyacanthus Rioja, 1941	Gómez *et al.* (1997)
Hydroides cruciger Mörch, 1863	Gómez *et al.* (1997)
Hydroides glandifer Rioja, 1941	Bastida-Zavala (2008)
Hydroides humilis (Bush, 1905)	Bastida-Zavala (2008)
Hydroides ochoterenai Rioja, 1941	Bastida-Zavala (2008)
Hydroides sanctaecrucis Krøyer *in* Mörch, 1863 **EX**	Bastida-Zavala and ten Hove (2003)
Hydroides trompi Bastida-Zavala and ten Hove, 2003	Bastida-Zavala and ten Hove (2003)
Pomatostegus stellatus (Abildgaard, 1789)	Gómez *et al.* (1997)
Pseudovermilia conchata ten Hove, 1975 **Q**	Gómez *et al.* (1997)
Pseudovermilia occidentalis (McIntosh, 1885)	Gómez *et al.* (1997)
Pyrgopolon ctenactis (Mörch, 1863)	Bastida-Zavala (2008)
Salmacina tribranchiata (Moore, 1923)	Bastida-Zavala (2008)
Spirobranchus cf. gaymardi	Bastida-Zavala (2008)
Spirobranchus giganteus (Pallas, 1766) **Q**	Gómez *et al.* (1997)
Spirobranchus incrassatus (Krøyer, 1856)	Gómez *et al.* (1997)
Spirobranchus minutus (Rioja, 1941)	Bastida-Zavala (2008)
Vermiliopsis infundibulum/glandigera complex	Bastida-Zavala (2008)
Family Sigalionidae Malmgren, 1867	
Sthenelanella uniformis Moore, 1910 **Q**	Hartman (1939)
Sthenolepis fimbriarum (Hartman, 1939)	Solís-Weiss *et al.* (2000)
Thalenessa lewisii (Berkeley and Berkeley, 1939)	Solís-Weiss *et al.* (2000)
Family Spionidae Grube, 1850	
Boccardia tricuspa (Hartman, 1939)	Gómez *et al.* (1997)
Boccardia sp.	Gómez *et al.* (1997)
Dipolydora socialis (Schmarda, 1861) **Q**	Hernández-Alcántara *et al.* (1994)
Dispio uncinata Hartman, 1951 **Q**	Hernández-Alcántara *et al.* (1994)
Minuspio delta (Hartman, 1965) **Q**	Hernández-Alcántara *et al.* (1994)
Paraprionospio pinnata (Ehlers, 1901) **Q**	Hernández-Alcántara *et al.* (1994)
Prionospio dayi (Foster, 1969) **Q**	Hernández-Alcántara *et al.* (1994)
Prionospio pygmaeus Hartman, 1961 **Q**	Hernández-Alcántara *et al.* (1994)
Prionospio lighti Maciolek, 1985 **Q**	Solís-Weiss *et al.* (2000)
Prionospio steenstrupi Malmgren, 1867 **Q**	Hernández-Alcántara *et al.* (1994)
Prionospio (Minuspio) cf. lighti	Hernández-Alcántara *et al.* (1994)
Pseudopolydora sp.	Gómez *et al.* (1997)
Rhynchospio glutaea (Ehlers, 1897) **Q**	González-Ortiz *et al.* (1996)
Scolelepis (Parascolelepis) texana Foster, 1971 **Q**	González-Ortiz *et al.* (1996)
Scolelepis (Scolelepis) squamata (O.F. Muller, 1806) **Q**	Hernández-Alcántara *et al.* (1994)
Spiophanes cf. kroeyeri	Hernández-Alcántara *et al.* (1994)
Spiophanes wigleyi Pettibone, 1961 **Q**	Hernández-Alcántara *et al.* (1994)
Family Syllidae Grube, 1850	
Branchiosyllis exilis (Gravier, 1900) **Q**	Gómez *et al.* (1997)
Branchiosyllis pacifica Rioja, 1941	Gómez *et al.* (1997)
Brania heterocirra Rioja, 1941	Gómez *et al.* (1997)
Haplosyllis brevicirra Rioja, 1941	Gómez *et al.* (1997)
Odontosyllis heterodonta Góngora-Garza and de León-González, 1993	Gómez *et al.* (1997)
Odontosyllis polycera (Schmarda, 1861) **Q**	Gómez *et al.* (1997)
Opisthosyllis brunnea Langerhans, 1879 **Q**	Gómez *et al.* (1997)
Opisthosyllis japonica Imajima, 1966 **Q**	Gómez *et al.* (1997)
Parasphaerosyllis indica Monro, 1937 **Q**	Gómez *et al.* (1997)
Syllis alternata Moore, 1908 **Q**	Gómez *et al.* (1997)
Syllis cornuta Rathke, 1843 **Q**	Solís-Weiss *et al.* (2000)
Syllis elongata (Johnson, 1901) **Q**	Gómez *et al.* (1997)
Syllis fasciata Malmgren, 1867 **Q**	Gómez *et al.* (1997)
Syllis hyalina Grube, 1863 **Q**	Gómez *et al.* (1997)
Syllis prolifera Krohn, 1852 **Q**	Solís-Weiss *et al.* (2000)
Trypanosyllis taeniaeformis (Haswell, 1886) **Q**	Gómez *et al.* (1997)
Family Terebellidae Malmgren, 1867	
Lanicides taboguillae (Chamberlin, 1919)	Gómez *et al.* (1997)
Pista quadrilobata (Augener, 1918) **Q**	González-Ortiz *et al.* (1996)

Table 8. ***Continued.***

Polycirrus mexicanus (Rioja, 1947)	Gómez *et al.* (1997)
Family Tomopteridae Johnston, 1865	
Tomopteris (Johnstonella) dunckeri Rosa, 1908 **Q**	Fernández-Álamo (2000)
Tomopteris elegans Chun, 1888 **Q**	Fernández-Álamo (2000)
Tomopteris euchaeta Chun, 1887 **Q**	Fernández-Álamo (2000)
Tomopteris nationalis Apstein, 1900 **Q**	Fernández-Álamo (2000)
Tomopteris planktonis Apstein, 1900 **Q**	Fernández-Álamo (1987)
Family Typhloscolecidae Uljanin, 1878	
Sagitella kowalewskii Wagner, 1872 **Q**	Fernández-Álamo (1987)
Travisiopsis dubia Stϕp-Bowitz, 1948 **Q**	Fernández-Álamo (1987)
Typhloscolex mülleri Busch, 1851 **Q**	Fernández-Álamo (1987)

Table 9. Checklist of the crustaceans recorded in the marine and coastal areas of Oaxaca, Mexico. The list follows the classification for higher taxa of Martin and Davis (2001), with updates to the Infraorder Brachyura by Ng *et al.* (2008). The arrangement of Genera and species is strictly alphabetical.

Phylum Arthropoda Lamarck, 1812	**Reference**
Subphylum Crustacea Brünnich, 1772	
Class Malacostraca Latreille, 1802	
Subclass Eumalacostraca Grobben, 1892	
Superorder Eucarida Calman, 1904	
Order Decapoda Latreille, 1802	
Suborder Dendrobranchiata Bate, 1888	
Family Penaeidae Rafinesque, 1815	
Farfantepenaeus brevirostris (Kingsley, 1878)	Sosa-Hernández *et al.* (1980)
Farfantepenaeus californiensis (Holmes, 1900)	Sosa-Hernández *et al.* (1980)
Litopenaeus vannamei (Boone, 1931)	Sosa-Hernández *et al.* (1980)
Rimapenaeus faoe (Obarrio, 1954)	Hendrickx (1996)
Rimapenaeus pacificus (Burkenroad, 1934)	Sosa-Hernández *et al.* (1980)
Trachysalambria brevisuturae (Burkenroad, 1934)	Sosa-Hernández *et al.* (1980)
Family Sicyoniidae Ortmann, 1898	
Sicyonia aliaffinis (Burkenroad, 1934)	Sosa-Hernández *et al.* (1980)
Sicyonia disdorsalis (Burkenroad, 1934)	Sosa-Hernández *et al.* (1980)
Sicyonia martini Pérez-Farfante and Boothe, 1981	Pérez-Farfante (1985)
Family Solenoceridae Wood-Mason, 1891	
Solenocera florea Burkenroad, 1938	Sosa-Hernández *et al.* (1980)
Solenocera mutator Burkenroad, 1938	Hendrickx (1996)
Suborder Pleocyemata Burkenroad, 1963	
Infraorder Anomura MacLeay, 1838	
Family Albuneidae Stimpson, 1858	
Albunea lucasia de Saussure, 1853	Boyko (2002)
Lepidopa deamae Benedict, 1903	Benedict (1903)
Lepidopa haigae Efford, 1971	Efford (1971)
Family Coenobitidae Dana, 1851	
Coenobita compressus H. Milne-Edwards, 1837	Ball (1972)
Family Diogenidae Ortmann, 1892	
Calcinus californiensis Bouvier, 1898	Hendrickx and Harvey (1999)
Calcinus obscurus Stimpson, 1859	Ayón-Parente and Hendrickx (2007)
Clibanarius janethaigae Hendrickx and Esparza-Haro, 1997	Hendrickx and Esparza-Haro (1997)
Dardanus nudus Ayón-Parente and Hendrickx, 2009	Ayón-Parente and Hendrickx (2009)
Dardanus sinistripes (Stimpson, 1859)	Ball and Haig (1974)
Dardanus stimpsoni Ayón-Parente and Hendrickx, 2009	Ayón-Parente and Hendrickx (2009)
Paguristes cf. bakeri	Hendrickx *et al.* (1997)
Petrochirus californiensis Bouvier, 1895	Hendrickx *et al.* (1997)
Family Galatheidae Samouelle, 1819	
Pleuroncodes planipes Stimpson, 1860	Hendrickx *et al.* (1997)
Family Porcellanidae Haworth, 1825	
Euceramus panatelus Glassell, 1938	Haig (1960)
Megalobrachium festai (Nobili, 1901)	Haig (1960)
Megalobrachium garthi Haig, 1957	Haig (1957)
Megalobrachium sinuimanus (Lockington, 1878)	Ramírez-Luna *et al.* (2002)
Neopisosoma dohenyi Haig, 1960	García-Madrigal and Andreu-Sánchez (2010)
Neopisosoma mexicanum (Streets, 1871)	Haig (1960)
Neopisosoma sp.	Ramírez-Luna *et al.* (2002)
Pachycheles biocellatus (Lockington, 1878)	Haig (1960)

Table 9. ***Continued.***

Pachycheles calculosus Haig, 1960	Haig (1960)
Pachycheles panamensis Faxon, 1839	Haig (1960)
Pachycheles setimanus (Lockington, 1878)	Hernández-Álvarez and Villalobos-Hiriart (2005)
Pachycheles spinidactylus Haig, 1960	Haig (1960)
Petrolisthes agassizii Faxon, 1893	Haig (1968)
Petrolisthes armatus (Gibbes, 1850)	García-Madrigal and Andreu-Sánchez (2010)
Petrolisthes crenulatus Lockington, 1878	Hernández-Álvarez and Villalobos-Hiriart (2005)
Petrolisthes edwardsii (Saussure, 1853)	Haig (1960)
Petrolisthes cf. edwardsii	García-Madrigal and Andreu-Sánchez (2010)
Petrolisthes glasselli Haig, 1957	Haig (1968)
Petrolisthes gracilis Stimpson, 1858	Haig (1960)
Petrolisthes haigae Chace, 1962	Haig (1968)
Petrolisthes hians Nobili, 1901	Haig (1960)
Petrolisthes hirtispinosus Lockington, 1878	García-Madrigal and Andreu-Sánchez (2010)
Petrolisthes lewisi austrinus Haig, 1960	García-Madrigal and Andreu-Sánchez (2010)
Petrolisthes lewisi lewisi (Glassell, 1936)	Haig (1968)
Petrolisthes marginatus Stimpson, 1859	Haig (1960)
Petrolisthes nobilii Haig, 1960	Haig (1968)
Petrolisthes ortmanni Nobili, 1901	Haig (1968)
Petrolisthes polymitus Glassell, 1937	Haig (1960)
Petrolisthes robsonae Glassell, 1945	García-Madrigal and Andreu-Sánchez (2010)
Petrolisthes sanfelipensis Glassell, 1936	García-Madrigal and Andreu-Sánchez (2010)
Petrolisthes tonsorius Haig, 1960	Haig (1960)
Pisidia magdalenensis (Glassell, 1936)	Haig (1968)
Porcellana cancrisocialis Glassell, 1936	Haig (1960)
Porcellana hancocki Glassell, 1938	Hendrickx *et al.* (1997)
Porcellana paguriconviva Glassell, 1936	Haig (1968)
Ulloaia perpusillia Glassell, 1938	Ramírez-Luna *et al.* (2002)
Infraorder Brachyura Latreille, 1802	
Family Aethridae Dana, 1851	
Hepatella amica Smith, 1869	Garth (1966)
Hepatus kossmanni Newman, 1878	Garth (1966)
Osachila lata Faxon, 1893	Hendrickx *et al.* (1997)
Family Calappidae De Haan, 1833	
Calappa convexa Saussure, 1853	Garth (1966)
Calappula saussurei (Rathbun, 1898)	Hendrickx (1997)
Cryptosoma bairdii (Stimpson, 1860)	Rathbun (1937)
Platymera gaudichaudii H. Milne-Edwards, 1837	Garth (1966)
Family Dairidae Serène, 1965	
Daira americana Stimpson, 1860	Ramírez-Luna *et al.* (2002)
Family Daldorfiidae Ng and Rodriguez, 1986	
Daldorfia trigona (A. Milne-Edwards, 1869)	Garth (1959)
Family Domeciidae Ortmann, 1893	
Domecia hispida Eydoux and Souleyet, 1842	Crane (1947)
Family Dromiidae de Haan, 1833	
Hypoconcha panamensis Smith in Verrill, 1869	Sosa-Hernández *et al.* (1980)
Moreiradromia sarraburei (Rathbun, 1910)	Hendrickx *et al.* (1997)
Family Dynomenidae Ortmann, 1892	
Hirsutodynomene ursula (Stimpson, 1860)	Rathbun (1937)
Family Epialtidae MacLeay, 1838	
Epialtus minimus Lockington, 1877	Ramírez-Luna *et al.* (2002)
Herbstia camptacantha (Stimpson, 1871)	Garth (1958)
Herbstia tumida (Stimpson, 1871)	Hendrickx (1999)
Herbstia cf. tumida	Hendrickx and Vázquez-Cureño (1998)
Neodoclea boneti Buitendijk, 1950	Garth (1958)
Notolopas lamellatus Stimpson, 1871	Garth (1958)
Pelia pacifica A. Milne-Edwards, 1875	Garth (1958)
Pitho picteti (Saussure, 1853)	Garth (1959)
Family Ethusidae Guinot, 1977	
Ethusa lata Rathbun, 1894	Rathbun (1937)
Ethusa panamensis Finnegan, 1931	Garth (1966)
Family Euryplacidae Stimpson, 1871	
Euryplax polita Smith, 1870	Garth (1961)

TABLE 9. ***CONTINUED.***

Family Grapsidae MacLeay, 1838	
Geograpsus lividus (H. Milne-Edwards, 1837)	Crane (1947)
Grapsus grapsus (Linnaeus, 1758)	Crane (1947)
Pachygrapsus transversus (Gibbes, 1850)	Crane (1947)
Planes minutus (Linnaeus, 1758)	Rathbun (1918)
Family Inachidae MacLeay, 1838	
Podochela cf. casoae	Ramírez-Luna *et al.* (2002)
Podochela veleronis Garth, 1958	Garth (1959)
Podochela ziesenhennei Garth, 1940	Garth (1959)
Stenorhynchus debilis (Smith, 1871)	Garth (1958)
Family Inachoididae Dana, 1851	
Collodes tenuirostris Rathbun, 1893	Garth (1959)
Euprognatha bifida Rathbun, 1894	Garth (1958)
Inachoides laevis Stimpson, 1860	Garth (1959)
Paradasygyius depressus (Bell, 1835)	Luke (1977)
Pyromaia tuberculata (Lockington, 1877)	Hendrickx *et al.* (1997)
Family Leucosiidae Samouelle, 1819	
Iliacantha hancocki Rathbun, 1935	Rathbun (1937)
Iliacantha schmitti Rathbun, 1935	Rathbun (1937)
Persephona townsendi (Rathbun, 1893)	Rathbun (1937)
Randallia bulligera Rathbun, 1898	Rathbun (1937)
Uhlias ellipticus Stimpson, 1871	Garth (1966)
Family Majidae Samouelle, 1819	
Hemus finneganae Garth, 1958	Garth (1959)
Hemus sp.	Ramírez-Luna *et al.* (2002)
Microphrys platysoma (Stimpson, 1860)	Ramírez-Luna *et al.* (2002)
Microphrys triangulatus (Lockington, 1877)	Garth (1959)
Mithraculus denticulatus (Bell, 1835)	Crane (1947)
Mithrax armatus Saussure, 1853	Rathbun (1925)
Mithrax pygmaeus Bell, 1835	Garth (1959)
Mithrax sp.	Ramírez-Luna *et al.* (2002)
Teleophrys cristulipes Stimpson, 1860	Crane (1947)
Thoe sulcata Stimpson, 1860	Rathbun (1925)
Family Ocypodidae Rafinesque, 1815	
Ocypode occidentalis Stimpson, 1860	Rathbun (1918)
Uca brevifrons (Stimpson, 1860)	Crane (1975)
Uca princeps (Smith, 1870)	Maccagno (1928)
Family Oziidae Dana, 1851	
Ozius perlatus Stimpson, 1860	Crane (1947)
Ozius tenuidactylus (Lockington, 1877)	Crane (1947)
Ozius verreauxii de Saussure, 1853	Crane (1947)
Family Panopeidae Ortmann, 1893	
Chasmophora macrophthalma (Rathbun, 1898)	Garth (1961)
Hexapanopeus orcutti Rathbun, 1930	Garth (1961)
Lophoxanthus lamellipes (Stimpson, 1860)	Crane (1947)
Panopeus sp. 1	Ramírez-Luna *et al.* (2002)
Family Parthenopidae MacLeay, 1838	
Heterocrypta macrobrachia Stimpson, 1871	Garth (1958)
Solenolambrus arcuatus Stimpson, 1871	Garth (1958)
Spinolambrus exilipes (Rathbun, 1893)	Garth (1958)
Family Pilumnidae Samouelle, 1819	
Pilumnus gracilipes A. Milne-Edwards, 1880	Ramírez-Luna *et al.* (2002)
Pilumnus limosus Smith, 1869	Garth (1961)
Pilumnus pygmaeus Boone, 1927	Garth (1961)
Pilumnus sp. 1	Ramírez-Luna *et al.* (2002)
Pilumnus sp. 2	Ramírez-Luna *et al.* (2002)
Pilumnus sp. 3	Ramírez-Luna *et al.* (2002)
Pilumnus sp. 4	Ramírez-Luna *et al.* (2002)
Family Portunidae Rafinesque, 1815	
Achelous asper (A. Milne-Edwards, 1861)	Garth (1961)
Arenaeus mexicanus (Gerstaecker, 1856)	Garth (1961)
Callinectes arcuatus Ordway, 1863	Garth and Stephenson (1966)
Cronius ruber (Lamarck, 1818)	Garth (1961)

Table 9. ***Continued.***

Euphylax dovii Stimpson, 1860	Luke (1977)
Euphylax robustus A. Milne-Edwards, 1874	Garth (1961)
Portunus acuminatus (Stimpson, 1871)	Garth (1961)
Portunus affinis (Faxon, 1893)	Garth (1961)
Portunus minimus Rathbun, 1898	Sosa-Hernández *et al.* (1980)
Portunus tuberculatus (Stimpson, 1860)	Garth (1961)
Portunus xantusii (Stimpson, 1860)	Hendrickx *et al.* (1997)
Portunidae sp.	Luke (1977)
Family Pseudorhombilidae Alcock, 1900	
Oediplax granulata Rathbun, 1893	Hendrickx *et al.* (1997)
Family Trapeziidae Miers, 1886	
Quadrella nitida Smith, 1869	Hendrickx and Vázquez-Cureño (1998)
Trapezia corallina Gerstaecker, 1856	Castro (1996)
Trapezia bidentata (Forskål, 1775)	Crane (1947)
Trapezia formosa Smith, 1869	Castro (1996)
Trapezia digitalis Latreille, 1828	Ramírez-Luna *et al.* (2002)
Trapezia sp.	Ramírez-Luna *et al.* (2002)
Family Xanthidae MacLeay, 1838	
?*Actaea angusta* Rathbun, 1898	Ramírez-Luna *et al.* (2002)
Cycloxanthops vittatus (Stimpson, 1860)	Rathbun (1930)
Edwardsium lobipes (Rathbun, 1898)	Hendrickx *et al.* (1997)
Heteractaea lunata (H. Milne-Edwards and Lucas, 1844)	Hendrickx and Vázquez-Cureño (1998)
Liomera cinctimana (White, 1847)	Crane (1947)
Microcassiope xantusii (Stimpson, 1871)	Garth (1961)
Micropanope sp.	Ramírez-Luna *et al.* (2002)
Paractaea sulcata (Stimpson, 1860)	Crane (1947)
Platyactaea dovii (Stimpson, 1871)	Ramírez-Luna *et al.* (2002)
Platypodia sp.	Ramírez-Luna *et al.* (2002)
Xanthodius sternberghii Stimpson, 1859	Crane (1947)
? *Xanthodius stimpsoni* (A. Milne-Edwards, 1879)	Crane (1947)
Xanthoidea sp. 1	Ramírez-Luna *et al.* (2002)
Xanthoidea sp. 2	Ramírez-Luna *et al.* (2002)
Xanthoidea sp. 3	Ramírez-Luna *et al.* (2002)
Infraorder Caridea Dana, 1852	
Family Alpheidae Rafinesque, 1815	
Alpheus bellimanus Lockington, 1877	Wicksten (1983)
Alpheus galapagensis Sivertsen, 1933	Kim and Abele (1988)
Alpheus longinquus Kim and Abele, 1988	Martínez-Guerrero (2007)
Alpheus lottini Guérin-Méneville, 1829	Martínez-Guerrero (2007)
Alpheus normanni Kingsley, 1879	Hendrickx and Vázquez-Cureño(1998)
Alpheus websteri Kingsley, 1880	Martínez-Guerrero (2007)
Automate dolichognatha de Man, 1888	Martínez-Guerrero (2007)
Synalpheus digueti Coutiére, 1909	Martínez-Guerrero (2007)
Synalpheus mexicanus Coutiére, 1909	Martínez-Guerrero (2007)
Synalpheus nobilii Coutiére, 1909	Wicksten (1983)
Family Hippolytidae Dana, 1852	
Heptacarpus yaldwyni Wicksten, 1984	Wicksten (1984)
Family Ogyrididae Holthuis, 1955	
Ogyrides alphaerostris (Kingsley, 1880)	Wicksten and Hendrickx (1992)
Ogyrides sp.	Wicksten (1983)
Family Palaemonidae Rafinesque, 1815	
Macrobrachium acanthochirus Villalobos-Figueroa, 1967	Villalobos-Figueroa (1967)
Macrobrachium americanum Bate, 1868	Martínez-Guerrero (2007)
Macrobrachium hobbsi Nates-Rodríguez and Villalobos-Hiriart, 1990	Villalobos-Hiriart and Nates-Rodríguez (1990)
Macrobrachium michoacanus Nates-Rodríguez and Villalobos-Hiriart, 1990	Villalobos-Hiriart and Nates-Rodríguez (1990)
Macrobrachium occidentale Holthuis, 1950	Martínez-Guerrero (2007)
Macrobrachium tenellum (Smith, 1871)	Holthuis (1952)
Palaemon ritteri Holmes, 1895	Martínez-Guerrero (2007)
Family Pandalidae Haworth, 1825	
Plesionika beebei Chace, 1937	Wicksten (1978)
Plesionika mexicana Chace, 1937	Hendrickx and Wicksten (1989)
Family Processidae Ortmann, 1890	
Processa aequimana (Paulson, 1875)	Hendrickx *et al.* (1997)

TABLE 9. ***CONTINUED.***

Infraorder Palinura Latreille, 1802	
Family Palinuridae Latreille, 1802	
Panulirus gracilis Streets, 1871	Holthuis and Villalobos-Figueroa (1962)
Panulirus inflatus (Bouvier, 1895)	Holthuis and Villalobos-Figueroa (1962)
Family Scyllaridae Latreille, 1825	
Evibacus princeps Smith, 1869	Hendrickx *et al.* (1997)
Infraorder Thalassinidea Latreille, 1831	
Family Axiidae Huxley, 1879	
Acanthaxius caespitosa (Squires, 1979)	Hendrickx (2005)
Family Thalassinidae Latreille, 1831	
Corallianassa xutha (Manning, 1988)	Hernández-Aguilera (1998)
Order Euphausiacea Dana, 1852	
Family Euphausiidae Dana, 1852	
Euphausia distinguenda Hansen, 1908	López-Cortés (1990)
Euphausia diomedeae Ortmann, 1894	López-Cortés (1990)
Euphausia eximia Hansen, 1911	López-Cortés (1990)
Euphausia lamelligera Hansen, 1911	López-Cortés (1990)
Euphausia tenera Hansen, 1905	López-Cortés (1990)
Nematobrachion flexipes (Ortmann, 1893)	López-Cortés (1990)
Nematoscelis atlantica Hansen, 1916	López-Cortés (1990)
Nematoscelis gracilis Hansen, 1910	López-Cortés (1990)
Stylocheiron affine Hansen, 1910	López-Cortés (1990)
Stylocheiron carinatum Sars, 1883	López-Cortés (1990)
Superorder Peracarida Calman, 1904	
Order Amphipoda Latreille, 1816	
Family Ampeliscidae Costa, 1857	
Ampelisca agassizi (Judd, 1896)	Barnard (1954)
Ampelisca cristoides Barnard, 1954	Barnard (1954)
Ampelisca mexicana Barnard, 1954	Barnard (1954)
Ampelisca milleri Barnard, 1954	Barnard (1954)
Family Caprellidae Leach, 1814	
Caprella sp.	Gámez-Vivaldo *et al.* (2006)
Family Maeridae Krapp-Schickel, 2008	
Elasmopus bastidai García-Madrigal, 2010	García-Madrigal (2010)
Elasmopus karlae García-Madrigal, 2010	García-Madrigal (2010)
Elasmopus lecroyae García-Madrigal, 2010	García-Madrigal (2010)
Elasmopus marcelae García-Madrigal, 2010	García-Madrigal (2010)
Elasmopus oaxaquensis García-Madrigal, 2010	García-Madrigal (2010)
*Elasmopus temor*i Barnard, 1979	García-Madrigal (2010)
Elasmopus tubar Barnard, 1979	García-Madrigal (2010)
Elasmopus zoanthidea Barnard, 1979	García-Madrigal (2010)
Maera umarae García-Madrigal, 2010	García-Madrigal (2010)
Quadrimaera chinarra (Barnard, 1979)	García-Madrigal (2010)
Quadrimaera reishi (Barnard, 1979)	García-Madrigal (2010)
Family Melitidae Bousfield, 1973	
Melita bousfieldi García-Madrigal, 2010	García-Madrigal (2010)
Family Phoxocephalidae Sars, 1891	
Foxiphalus obtusidens (Alderman, 1936)	Barnard and Barnard (1982)
Order Isopoda Latreille, 1817	
Family Aegidae White, 1850	
Rocinela signata Schioedte and Meinert, 1879	Brusca *et al.* (1992)
Family Cirolanidae Dana, 1852	
Anopsilana oaxaca Carvacho and Haasmann, 1984	Carvacho and Haasmann (1984)
Cirolana parva Hansen, 1890	Brusca *et al.* (1995)
Excirolana braziliensis Richardson, 1912	Glynn *et al.* (1975)
Family Corallanidae Hansen, 1890	
Excorallana bruscai Delaney, 1984	Hendrickx and Espinosa-Pérez (1998)
Family Hologнathidae Thomson, 1904	
Cleantioides planicauda (Benedict, 1899)	Brusca and Wallerstein (1979)
Family Idoteidae Samouelle, 1819	
Parasymmerus annamaryae Brusca and Wallerstein, 1979	Carvacho and Haasmann (1984)
Family Paranthuridae Menzies and Glynn, 1968	
Califanthura squamosissima (Menzies, 1951)	Poore (1984)

TABLE 9. ***CONTINUED.***

Family Sphaeromatidae Latreille, 1825	
Dynoides crenulatus Carvacho and Haasmann, 1984	Carvacho and Haasmann (1984)
Dynoides saldanai Carvacho and Haasmann, 1984	Carvacho and Haasmann (1984)
Striella balani Glynn, 1968	Carvacho and Haasmann (1984)
Order Tanaidacea Dana, 1849	
Family Apseudidae Leach, 1814	
Paradoxapseudes cf. garthi	Jarquín-González and García-Madrigal (2009)
Family Leptocheliidae Lang, 1973	
Leptochelia cf. dubia	Jarquín-González and García-Madrigal (2009)
Family Metapseudidae Lang, 1970	
Apseudomorpha sp.	Jarquín-González and García-Madrigal (2009)
Cyclopoapseudes cf. indecorus	
Synapseudes sp.	Howard (1952)
Synapseudes sp.	Jarquín-González and García-Madrigal (2009)
Family Paratanaidae Lang, 1949	
Paratanais cf. denticulatus	Jarquín-González and García-Madrigal (2009)
Family Parapseudidae Gutu, 1980	
Parapseudes pedispinis (Boone, 1923)	Jarquín-González and García-Madrigal (2009)
Family Tanaidae Dana, 1849	
Sinelobus stanfordi (Richardson, 1901)	Jarquín-González and García-Madrigal (2009)
Subclass Hoplocarida Calman, 1904	
Order Stomatopoda Latreille, 1817	
Suborder Unipeltata Latreille, 1825	
Family Eurysquillidae Manning, 1977	
Eurysquilla veleronis (Schmitt, 1940)	Schmitt (1940)
Family Gonodactylidae Giesbrecht, 1910	
Neogonodactylus stanschi (Schmitt, 1940)	Schmitt (1940)
Neogonodactylus zacae (Manning, 1972)	Manning (1972)
Family Lysiosquillidae Giesbrecht, 1910	
Lysiosquilla desaussurei (Stimpson, 1857) (= *Cloridopsis dubia* after Appeltants *et al.* 2012)	Manning (1972)
Lysiosquilla panamica Manning, 1971	Barbosa-Ledesma *et al.* (2000)
Family Pseudosquillidae Manning, 1977	
Pseudosquillisma adiastalta (Manning, 1964)	Manning (1972)
Family Squillidae Latreille, 1802	
Meiosquilla swetti (Schmitt, 1940)	Manning (1972)
Squilla aculeata aculeata Bigelow, 1891	Manning (1972)
Squilla biformis Bigelow, 1891	Manning (1972)
Squilla hancocki Schmitt, 1940	Schmitt (1940)
Squilla mantoidea Bigelow, 1893	Sosa-Hernández *et al.* (1980)
Squilla panamensis Bigelow, 1891	Manning (1972)
Squilla parva Bigelow, 1891	Schmitt (1940)
Squilla tiburonensis Schmitt, 1940	Sosa-Hernández *et al.* (1980)
Squilla sp. Luke (1977)	Luke (1977)
Class Maxillopoda Dahl, 1956	
Subclass Copepoda Milne-Edwards, 1840	
Order Calanoidea Sars, 1903	
Family Pontellidae Dana, 1852	
Labidocera acuta (Dana, 1849)	Álvarez-Silva *et al.* (2003)
Labidocera darwinii Lubbock, 1853	Álvarez-Silva *et al.* (2003)
Pontella agassizii Giesbrecht, 1895	Álvarez-Silva *et al.* (2003)
Pontella tenuiremis Giesbrecht, 1889	Álvarez-Silva *et al.* (2003)
Pontellina plumata (Dana, 1849)	Álvarez-Silva *et al.* (2003)
Order Siphonostomatoida Thorell, 1859	
Family Caligidae Burmeister, 1835	
Caligus bonito Wilson, 1905	Wilson (1937)
Subclass Thecostraca Gruvel, 1905	
Order Lepadiformes Buckeridge and Newman, 2006	
Family Lepadidae	
Conchoderma virgatum Spengler, 1789	Gámez-Vivaldo *et al.* (2006)
Order Sessilia Lamarck, 1818	
Family Chelonibiidae Pilsbry, 1916	
Chelonibia testudinaria (Linnaeus, 1758)	Gámez-Vivaldo *et al.* (2006)

Table 10. Checklist of the mollusks recorded in the marine areas of Oaxaca, Mexico. The systematic classification follows that of Keen (1971), modified by Skoglund (2001, 2002).

Phylum Mollusca Cuvier, 1795	**Reference**
Class Bivalvia Linnaeus, 1758	
Subclass Anomalodesmata Dall, 1889	
Order Pholadomyoida Newell, 1965	
Superfamily Pandoroidea Rafinesque, 1815	
Family Lyonsiidae Fisher, 1887	
Entodesma lucasanum (Bartch and Rehder, 1939)	Keen (1971)
Superfamily Thracioidea Stoliczka, 1870	
Family Periplomatidae Dall, 1895	
Periploma (Cricoploma) carpenteri Dall, 1896	Skoglund (2001)
Family Thraciidae Stoliczka, 1870	
Cyathodonta dubiosa Dall, 1915	Keen (1971)
Cyathodonta lucasana Conrad, 1849	Keen (1971)
Subclass Heterodonta Neumayr, 1884	
Order Carditoida Dall, 1889	
Superfamily Crassatelloidea	
Family Crassatellidae Férussac, 1822	
Crassinella ecuadoriana Olsson, 1961	Rodríguez-Palacios *et al.* (1988)
Order Myoida Stoliczka, 1870	
Superfamily Gastrochaeniodea J. E. Gray, 1840	
Family Gastrochaenidae J. E. Gray, 1840	
Gastrochaena (Rocellaria) ovata Sowerby, 1834	Rodríguez-Palacios *et al.* (1988)
Superfamily Pholadoidea Lamarck, 1809	
Family Pholadidae Lamarck, 1809	
Martesia striata (Linnaeus, 1758)	Zamorano *et al.* (2010)
Order Veneroida H. Adams and A. Adams, 1856	
Superfamily Cardioidea Lamarck, 1809	
Family Cardiidae (Lamarck, 1809)	
Americardia biangulata (Broderip and Sowerby,1829)	Holguín-Quiñones and González-Pedraza (1989)
Laevicardium clarionense (Hertlein and Strong, 1947)	Ríos-Jara *et al.* (2009)
Laevicardium substriatum (Conrad, 1837)	Holguín-Quiñones and González-Pedraza (1989)
Papyridea aspersa (G.B. Sowerby I, 1833)	Rodríguez-Palacios *et al.* (1988)
Trachycardium (Dallocardia) senticosum (G.B. Sowerby I, 1833)	Holguín-Quiñones and González-Pedraza (1989)
Trachycardium (Mexicardia) panamense (Sowerby, 1833)	Holguín-Quiñones and González-Pedraza (1989)
Trachycardium (Mexicardia) procerum (Sowerby, 1833)	Keen (1971)
Trachycardium (Trachycardium) consors (Sowerby, 1833)	Holguín-Quiñones and González-Pedraza (1989)
Trigoniocardia (Apiocardia) obovalis (G.B. Sowerby I, 1833)	Ríos-Jara *et al.* (2009)
Superfamily Carditoidea Férussac, 1822	
Family Carditidae Férussac, 1822	
Cardites crassicostata (Sowerby, 1825)	Holguín-Quiñones and González-Pedraza (1989)
Cardites grayi (Dall, 1903)	Holguín-Quiñones and González-Pedraza (1989)
Cardites laticostata (Sowerby, 1833)	Holguín-Quiñones and González-Pedraza (1989)
Carditamera affinis (Sowerby, 1833)	Holguín-Quiñones and González-Pedraza (1989)
Carditamera radiata (Sowerby, 1833)	Holguín-Quiñones and González-Pedraza (1989)
Cyclocardia beebei (Hertlein, 1958)	Piña-Arce and Herrera-Peña (1980)
Superfamily Chamoidea Lamarck, 1809	
Family Chamidae Lamarck, 1809	
Arcinella californica (Dall, 1903)	Holguín-Quiñones and González-Pedraza (1989)
Chama (Chama) buddiana C.B. Adams, 1852	Zamorano *et al.* (2008)
Chama (Chama) echinata Broderip, 1835	Holguín-Quiñones and González-Pedraza (1989)
Chama (Chama) mexicana Carpenter, 1857	Holguín-Quiñones and González-Pedraza (1989)
Chama (Chama) sordida Broderip, 1835	Rodríguez-Palacios *et al.* (1988)
Pseudochama corrugata (Broderip, 1833)	Rodríguez-Palacios *et al.* (1988)
Pseudochama inermis (Dall 1871)	Holguín-Quiñones and González-Pedraza (1989)
Pseudochama panamensis (Reeve, 1847)	Holguín-Quiñones and González-Pedraza (1989)
Superfamily Corbiculoidea J. E. Gray, 1847	
Family Corbiculidae J.E. Gray, 1847	
Polymesoda (Polymesoda) cordata (Martens, 1865)	Skoglund (2001)
Superfamily Cyamioidea Sars, 1878	
Family Sportellidae Dall, 1899	
Basterotia peninsularis (Jordan, 1936)	Keen (1971)
Superfamily Cyrenoidoidea H. Adams and A. Adams, 1857	

Table 10. ***Continued.***

Family Cyrenoididae H. Adams and A. Adams, 1857	
Cyrenoida insula Morrison, 1946	Zamorano *et al.* (2008)
Superfamily Galeommatoidea Gray, 1840	
Family Lasaeidae Gray, 1842	
Kellia suborbicularis (Montagu, 1803)	Rodríguez-Palacios *et al.* (1988)
Superfamily Lucinoidea Fleming, 1828	
Family Lucinidae Fleming, 1828	
Codakia distinguenda (Tryon, 1872)	Rodríguez-Palacios *et al.* (1988)
Ctena mexicana (Dall, 1901)	Ríos-Jara *et al.* (2009)
Lucina (Callucina) lampra (Dall, 1901)	Keen (1971)
Pegophysema (Pegophysema) edentuloides (Verrill, 1870)	Piña-Arce and Herrera-Peña (1980)
Family Ungulinidae H. Adams and A. Adams, 1856	
Diplodonta sericata (Reeve, 1850)	Holguín-Quiñones and González-Pedraza (1989)
Superfamily Mactroidea Lamarck, 1809	
Family Mactridae Lamarck, 1809	
Harvella elegans (Sowerby, 1825)	Piña-Arce and Herrera-Peña (1980)
Mactrellona exoleta (Gray, 1837)	Ríos-Jara *et al.* (2009)
Mulinia pallida (Broderip and Sowerby, 1829)	Ríos-Jara *et al.* (2009)
Superfamily Solenoidea Lamarck, 1809	
Family Solenidae Lamarck, 1809	
Solen mexicanus Dall, 1899	Keen (1971)
Solen pazensis Lowe, 1935	Keen (1971)
Solen pfeifferi Dunker, 1862	Keen (1971)
Superfamily Tellinoidea Blainville, 1814	
Family Donacidae Fleming, 1828	
Donax (Chion) punctatostriatus Hanley, 1843	Holguín-Quiñones and González-Pedraza (1989)
Donax (Donax) asper Hanley, 1845	Keen (1971)
Donax (Paradonax) gracilis Hanley, 1845	Zamorano *et al.* (2010)
Family Psammobiidae Fleming, 1828	
Gari fucata (Hinds, 1845)	Zamorano *et al.* (2010)
Family Semelidae Stoliczka, 1870	
Semele (Amphidesma) formosa (Sowerby, 1833)	Ramírez-González and Barrientos-Luján (2007)
Semele rosea tabogaensis (G.B. Sowerby I, 1833)	Keen (1971)
Semele rubropicta Dall, 1871	Piña-Arce and Herrera-Peña (1980)
Family Solecurtidae d'Orbigny, 1846	
Tagelus bourgeoisae Hertlein, 1951	Keen (1971)
Tagelus (Taguelus) dombeii (Lamarck, 1818)	Rodríguez-Palacios *et al.* (1988)
Tagelus (Taguelus) longisinuatus Pilsbry and Lowe, 1932	Zamorano *et al.* (2010)
Family Tellinidae Blainville, 1814	
Macoma (Psammacoma) lamproleuca (Pilsbry and Lowe, 1932)	Ríos-Jara *et al.* (2009)
Psammotreta (Psamotreta) viridotincta (Carpenter, 1856)	Zamorano *et al.* (2010)
Strigilla (Strigilla) chroma Salisbury, 1934	Ríos-Jara *et al.* (2009)
Strigilla (Strigilla) dichotoma (Philippi, 1846)	Ríos-Jara *et al.* (2009)
Tellina (Elpidollina) decumbens Carpenter, 1865	Ríos-Jara *et al.* (2009)
Tellina (Eurytellina) prora (Hanley, 1844)	Piña-Arce and Herrera-Peña (1980)
Tellina (Lyratellina) lyra Hanley, 1844	Piña-Arce and Herrera-Peña (1980)
Tellina (Moerella) amianta Dall, 1900	Piña-Arce and Herrera-Peña (1980)
Tellina (Phyllodella) insculpta Hanley, 1844	Piña-Arce and Herrera-Peña (1980)
Tellina (Scissula) virgo Hanley, 1844	Ríos-Jara *et al.* (2009)
Temnoconcha cognata (C.B. Adams, 1852)	Piña-Arce and Herrera-Peña (1980)
Superfamily Veneroidea Rafinesque, 1815	
Family Petricolidae d'Orbigny, 1840	
Petricola (Petricola) lucasana Hertlein and Strong, 1948	Keen (1971)
Family Veneridae Rafinesque, 1815	
Chione (Chione) californiensis (Broderip, 1835)	Holguín-Quiñones and González-Pedraza (1989)
Chione (Chione) guatulcoensis Hertlein and Strong, 1948	Keen (1971)
Chione (Chione) subimbricata (Sowerby, 1835)	Holguín-Quiñones and González-Pedraza (1989)
Chione (?Chione) tumens (Verrill, 1870)	Ramírez-González and Barrientos-Luján (2007)
Chione (Chione) undatella (Sowerby, 1835)	Holguín-Quiñones and González-Pedraza (1989)
Chione (Chionopsis) amathusia (Philippi, 1844)	Ríos-Jara *et al.* 2009
Chione (Chionopsis) pulicaria (Broderip, 1835)	Holguín-Quiñones and González-Pedraza (1989)
Chione (Iliochione) subrugosa (Wood, 1828)	Holguín-Quiñones and González-Pedraza (1989)
Cyclinella producta (Carpenter, 1856)	Holguín-Quiñones and González-Pedraza (1989)

Table 10. ***Continued.***

Cyclinella saccata (Gould, 1851)	Ríos-Jara *et al.* (2009)
Dosinia (Dosinia) dunkeri (Philippi, 1844)	Holguín-Quiñones and González-Pedraza (1989)
Dosinia (Dosinia) ponderosa (Schumacher, 1817)	Piña-Arce and Herrera-Peña (1980)
Megapitaria aurantiaca (Sowerby, 1831)	Holguín-Quiñones and González-Pedraza (1989)
Megapitaria squalida (Sowerby, 1835)	Holguín-Quiñones and González-Pedraza (1989)
Mercenaria kellettii (Hinds, 1845)	Holguín-Quiñones and González-Pedraza (1989)
Periglypta multicostata (Sowerby, 1835)	Holguín-Quiñones and González-Pedraza (1989)
Pitar (Pitar) consanguineus (C.B. Adams, 1852)	Keen (1971)
Pitar (Hysteroconcha) lupanaria (Lesson, 1830)	Holguín-Quiñones and González-Pedraza (1989)
Pitar (Hysteroconcha) multispinosus (Sowerby, 1851)	Holguín-Quiñones and González-Pedraza (1989)
Pitar (Lamelliconcha) alternatus (Broderip, 1835)	Holguín-Quiñones and González-Pedraza (1989)
Pitar (Lamelliconcha) concinnus (Sowerby, 1835)	Holguín-Quiñones and González-Pedraza (1989)
Pitar (Lamelliconcha) hesperius Berry, 1960	Piña-Arce and Herrera-Peña (1980)
Pitar (Lamelliconcha) vinaceus (Olsson, 1961)	Holguín-Quiñones and González-Pedraza (1989)
Protothaca (Leukoma) asperrima (Sowerby, 1835)	Holguín-Quiñones and González-Pedraza (1989)
Protothaca (Protothaca) grata (Say, 1831)	Holguín-Quiñones and González-Pedraza (1989)
Puberella lilacina (Carpenter, 1864)	Piña-Arce and Herrera-Peña (1980)
Timoclea squamosa (Carpenter, 1857)	Rodríguez-Palacios *et al.* (1988)
Tivela (Tivela) byronensis (Gray, 1838)	Holguín-Quiñones and González-Pedraza (1989)
Tivela (Tivela) delessertii (G.B. Sowerby II, 1854 *ex* Deshayes MS)	Ríos-Jara *et al.* (2009)
Transennella modesta (Sowerby, 1835)	Holguín-Quiñones and González-Pedraza (1989)
Transennella puella (Carpenter, 1864)	Rodríguez-Palacios *et al.* (1988)
Subclass Protobranchia Pelseneer, 1889	
Order Nuculoida Dall, 1889	
Superfamily Nuculanoidea H. Adams and A. Adams, 1858	
Family Nuculanidae Meek, 1864	
Adrana exoptata (Pilsbry and Lowe, 1932)	Keen (1971)
Family Tindariidae Verril and Bush, 1897	
Tindaria compressa Dall, 1908	Keen (1971)
Superfamily Nuculoidea Gray, 1824	
Family Nuculidae Gray, 1824	
Nucula (Nucula) schencki Hertlein and Strong, 1940	Keen (1971)
Subclass Pteriomorphia Beurlen, 1944	
Order Arcoida Stoliczka, 1871	
Superfamily Arcoidea Lamarck, 1809	
Family Arcidae Lamarck, 1809	
Acar bailyi (Bartsch, 1931).	Zamorano *et al.* (2008)
Acar gradata (Broderip and Sowerby, 1829)	Rodríguez-Palacios *et al.* (1988)
Acar rostae Berry, 1954	Rodríguez-Palacios *et al.* (1988)
Arca (Arca) mutabilis (Sowerby, 1833)	Holguín-Quiñones and González-Pedraza (1989)
Arca (Esmerarca) reinhardi (Lowe, 1935)	Ríos-Jara *et al.* (2009)
Arca (Larkinia) multicostata (Sowerby, 1833)	Ramírez-González and Barrientos-Luján (2007)
Barbatia (Barbatia) lurida (Sowerby, 1833)	Rodríguez-Palacios *et al.* (1988)
Barbatia (Calloarca) alternata (Sowerby, 1833)	Rodríguez-Palacios *et al.* (1988)
Barbatia (Cucullaearca) reeveana (d'Orbignyi, 1846)	Zamorano *et al.* (2006)
Fugleria illota (Sowerby, 1833)	Zamorano *et al.* (2008)
Lunarca brevifrons (G.B. Sowerby I, 1833)	Ríos-Jara *et al.* (2009)
Family Noetiidae Steward, 1930	
Noetia (Noetia) reversa (G.B. Sowerby I, 1833)	Piña-Arce and Herrera-Peña (1980)
Superfamily Glycymeridoidea Newton, 1916	
Family Glycymerididae Dall, 1908	
Glycymeris (Axinactis) delessertii (Reeve, 1843)	Holguín-Quiñones and González-Pedraza (1989)
Glycymeris (Glycymeris) gigantea (Reeve, 1846)	Piña-Arce and Herrera-Peña (1980)
Glycymeris (Glycymeris) maculata (Broderip, 1832)	Piña-Arce and Herrera-Peña (1980)
Tucetona (Bellaxinea) multicostata (Sowerby, 1833)	Holguín-Quiñones and González-Pedraza (1989)
Tucetona (Tucetona) strigilata (Sowerby, 1833)	Holguín-Quiñones and González-Pedraza (1989)
Order Limoida Waller, 1978	
Superfamily Limoidea Rafinesque, 1815	
Family Limidae Rafinesque 1815	
Lima tetrica Gould, 1851	Holguín-Quiñones and González-Pedraza (1989)
Limaria pacifica (d'Orbygny, 1846)	Holguín-Quiñones and González-Pedraza (1989)
Order Mytiloida Férrusac, 1822	
Superfamily Mytiloidea Rafinesque, 1815	

Table 10. ***Continued.***

Family Mytilidae Rafinesque, 1815	
Brachidontes adamsianus (Dunker, 1857)	Holguín-Quiñones and González-Pedraza (1989)
Brachidontes semilaevis (Menke, 1849)	de León-Herrera (2000)
Choromytilus palliopunctatus (Carpenter, 1857)	Holguín-Quiñones and González-Pedraza (1989)
Gregariella coarctata (Carpenter, 1857)	Zamorano *et al.* (2008)
Lioberus splendidus (Dunker, 1857)	Zamorano *et al.* (2008)
Lithophaga (Diberus) plumula (Hanley, 1843)	Rodríguez-Palacios *et al.* (1988)
Lithophaga (Myoforceps) aristata (Dillwyn, 1817)	Rodríguez-Palacios *et al.* (1988)
Lithophaga (Labis) attenuata (Deshayes, 1836)	Holguín-Quiñones and González-Pedraza (1989)
Modiolus (Modiolus) americanus (Leach, 1815)	Rodríguez-Palacios *et al.* (1988)
Modiolus (Modiolus) capax (Conrad, 1837)	Holguín-Quiñones and González-Pedraza (1989)
Mytella guyanensis (Lamarck, 1819)	Ríos-Jara *et al.* (2009)
Mytella speciosa (Reeve, 1857)	Ríos-Jara *et al.* (2009)
Mytella strigata (Hanley, 1843)	Holguín-Quiñones and González-Pedraza (1989)
Septifer zeteki Hertlein and Strong, 1946	Rodríguez-Palacios *et al.* (1988)
Order Ostreoida Férrusac, 1822	
Superfamily Anomioidea Rafinesque, 1815	
Family Anomiidae Rafinesque, 1815	
Anomia (Anomia) peruviana d'Orbigny, 1846	Holguín-Quiñones and González-Pedraza (1989)
Pododesmus (Pododesmus) pernoides (J.E. Gray, 1853)	Skoglund (2001)
Superfamily Ostreoidea Rafinesque, 1815	
Family Gryphaeridae Vialov, 1936	
Hyotissa hyotis (Linnaeus, 1758)	Holguín-Quiñones and González-Pedraza (1989)
Family Ostreidae Rafinesque, 1815	
Crassostrea palmula (Carpenter, 1857)	Holguín-Quiñones and González-Pedraza (1989)
Crassostrea prismatica (Gray, 1825)	Holguín-Quiñones and González-Pedraza (1989)
Ostrea conchaphila Carpenter, 1857	Holguín-Quiñones and González-Pedraza (1989)
Myrakeena angelica (Rochebrune, 1895)	Rodríguez-Palacios *et al.* (1988)
Superfamily Pectinoidea Rafinesque, 1815	
Family Pectinidae Rafinesque, 1815	
Argopecten circularis (Sowerby, 1835)	Piña-Arce and Herrera-Peña (1980)
Argopecten ventricosus (G.B. Sowerby II, 1842)	Ríos-Jara *et al.* (2009)
Delectopecten zacae (Hertlein, 1935)	Holguín-Quiñones and González-Pedraza (1989)
Nodipecten subnodosus (Sowerby, 1835)	Ramírez-González and Barrientos-Luján (2007)
Family Spondylidae Gray, 1826	
Spondylus calcifer Carpenter, 1857	Holguín-Quiñones and González-Pedraza (1989)
Spondylus limbatus G.B. Sowerby II, 1847	Ríos-Jara *et al.* (2009)
Superfamily Plicatuloidea Watson, 1930	
Family Plicatulidae Watson, 1930	
Plicatula penicilata Carpenter, 1857	Rodríguez-Palacios *et al.* (1988)
Order Pterioida Newell, 1965	
Superfamily Pinnoidea Leach, 1819	
Family Pinnidae Leach, 1819	
Atrina (Servatrina) maura (Sowerby, 1835)	Holguín-Quiñones and González-Pedraza (1989)
Pinna rugosa Sowerby, 1835	Holguín-Quiñones and González-Pedraza (1989)
Superfamily Pterioidea Gray 1847	
Family Isognomonidae Woodring, 1925	
Isognomon (Melina) janus Carpenter, 1857	Holguín-Quiñones and González-Pedraza (1989)
Isognomon (Melina) recognitus (Mabille, 1895)	Holguín-Quiñones and González-Pedraza (1989)
Family Pteriidae J.E. Gray 1847	
Pinctada mazatlanica (Hanley, 1856)	Holguín-Quiñones and González-Pedraza (1989)
Class Gastropoda Cuvier, 1797	
Subclass Caenogastropoda Cox 1960	
Order Neotaenioglossa Haller, 1892	
Superfamily Calyptraeoidea Lamarck, 1809	
Family Calyptraeidae Blainville, 1824	
Calyptraea (Calyptraea) conica Broderip, 1834	Holguín-Quiñones and González-Pedraza (1989)
Calyptraea (Calyptraea) mamillaris Broderip, 1834	Ríos-Jara *et al.* (2009)
Calyptraea (Trochita) spirata (Forbes, 1852)	Keen (1971)
Cheilea cepacea (Broderip, 1834)	Rodríguez-Palacios *et al.* (1988)
Crepidula aculeata (Gmelin, 1791)	Holguín-Quiñones and González-Pedraza (1989)
Crepidula excavata (Broderip, 1834)	Piña-Arce and Herrera-Peña (1980)
Crepidula incurva (Broderip, 1834)	Holguín-Quiñones and González-Pedraza (1989)

Table 10. ***Continued.***

Crepidula lessonii (Broderip, 1834)	Ríos-Jara *et al.* (2009)
Crepidula onyx G.B. Sowerby I, 1824	Rodríguez-Palacios *et al.* (1988)
Crepidula striolata Menke, 1851	Holguín-Quiñones and González-Pedraza (1989)
Crepidula uncata Menke, 1847	Rodríguez-Palacios *et al.* (1988)
Crepipatella lingulata (Gould, 1846)	Rodríguez-Palacios *et al.* (1988)
Crucibulum (Crucibulum) cyclopium Berry, 1969	Holguín-Quiñones and González-Pedraza (1989)
Crucibulum (Crucibulum) lignarium (Broderip, 1834)	Piña-Arce and Herrera-Peña (1980)
Crucibulum (Crucibulum) monticulus Berry, 1969	Keen (1971)
Crucibulum (Crucibulum) personatum Keen, 1958	Ríos-Jara *et al.* (2009)
Crucibulum (Crucibulum) scutellatum (Wood, 1928)	Rodríguez-Palacios *et al.* (1988)
Crucibulum (Crucibulum) spinosum (Sowerby, 1824)	Piña-Arce and Herrera-Peña (1980)
Crucibulum (Crucibulum) umbrella (Deshayes, 1830)	Holguín-Quiñones and González-Pedraza (1989)
Crucibulum pectinatum Carpenter, 1856	Rodríguez-Palacios *et al.* (1988)
Family Capulidae Fleming, 1822	
Capulus sericeus J. and R. Burch, 1961	Zamorano *et al.* (2008)
Superfamily Cancellarioidea Gray, 1853	
Family Cancellariidae Forbes and Hanley, 1851	
Cancellaria (Euclia) balboae Pilsbry, 1931	Keen (1971)
Superfamily Cerithioidea Férussac 1822	
Family Cerithiidae Férrusac 1822	
Cerithium (Thericium) maculosum Kiener, 1841	Holguín-Quiñones and González-Pedraza (1989)
Cerithium (Thericium) stercusmuscarum Valenciennes, 1833	Holguín-Quiñones and González-Pedraza (1989)
Family Modulidae Fisher, 1884	
Modulus catenulatus (Philippi, 1849)	Zamorano *et al.* (2010)
Modulus cerodes (A. Adams, 1851)	Rodríguez-Palacios *et al.* (1988)
Family Turritellidae Lovén 1847	
Turritella banksi Reeve, 1849	Ríos-Jara *et al.* (2009)
Turritella leucostoma Valenciennes, 1832	Piña-Arce and Herrera-Peña (1980)
Vermicularia frisbeyae McLean, 1970	Rodríguez-Palacios *et al.* (1988)
Vermicularia pellucida eburnea (Reeve, 1842)	Zamorano *et al.* (2008)
Superfamily Conoidea Fleming, 1822	
Family Conidae Fleming, 1822	
Conus (Asprella) arcuatus Broderip and Sowerby, 1829	Piña-Arce and Herrera-Peña (1980)
Conus baccatus Sowerby, 1877	Skoglund (2002)
Conus fergusoni G.B. Sowerby II, 1873	Piña-Arce and Herrera-Peña (1980)
Conus purpurascens G.B. Sowerby I, 1833	Piña-Arce and Herrera-Peña (1980)
Conus (Conus) brunneus Wood, 1828	Rodríguez-Palacios *et al.* (1988)
Conus (Conus) princeps Linnaeus, 1758	Holguín-Quiñones and González-Pedraza (1989)
Conus (Leptoconus) recurvus Broderip, 1833	Holguín-Quiñones and González-Pedraza (1989)
Conus (Stephanoconus) nux Broderip, 1833	Holguín-Quiñones and González-Pedraza (1989)
Conus (Ximeniconus) perplexus Sowerby, 1857	Holguín-Quiñones and González-Pedraza (1989)
Conus (Ximeniconus) ximenes Gray, 1839	Holguín-Quiñones and González-Pedraza (1989)
Family Terebridae H. Adams and A. Adams, 1854	
Hastula (Impages) cinerea (Born, 1778)	Holguín-Quiñones and González-Pedraza (1989)
Terebra armillata Hinds, 1844	Holguín-Quiñones and González-Pedraza (1989)
Terebra elata Hinds, 1844	Holguín-Quiñones and González-Pedraza (1989)
Terebra robusta Hinds, 1844	Piña-Arce and Herrera-Peña (1980)
Family Turridae Swainson 1840	
Agladrillia flucticulus McLean and Poorman, 1971	Keen (1971)
Calliclava craneana (Hertlein and Strong, 1951)	Keen (1971)
Calliclava rhodina McLean and Poorman, 1971	Keen (1971)
Clathurella rigida (Hinds, 1843)	Rodríguez-Palacios *et al.* (1988)
Crassispira (Crassispirella) discors (Sowerby, 1834)	Rodríguez-Palacios *et al.* (1988)
Crassispira (Dallspira) cerithoidea (Carpenter, 1857)	Zamorano *et al.* (2008)
Cruziturricula arcuata (Reeve, 1843)	Keen (1971)
Eleocyma ricaudae Berry, 1969	Skoglund (2002)
Drillia (Clathrodrillia) allyniana (Hertlein and Strong, 1951)	Keen (1971)
Fusiturricula armilda (Dall, 1908)	Holguín-Quiñones and González-Pedraza (1989)
Gemmula hindsiana Berry, 1958	Holguín-Quiñones and González-Pedraza (1989)
Knefastia funiculata (Kiener, 1840, ex Valenciennes, MS)	Keen (1971)
Knefastia olivacea (Sowerby, 1833)	Piña-Arce and Herrera-Peña (1980)
Kurzia arteaga (Dall and Bartch, 1910)	Keen (1971)
Kylix contracta McLean and Poorman, 1971	Keen (1971)

Table 10. ***Continued.***

Leptadrillia elissa (Dall, 1919)	Keen (1971)
Pilsbryspira (Pilsbryspira) garciacubasi Shaski, 1971	Zamorano *et al.* (2008)
Polystira picta (Reeve, 1843)	Holguín-Quiñones and González-Pedraza (1989)
Pyrgocythara phaethusa (Dall, 1919)	Keen (1971)
Splendrillia arga McLean and Poorman, 1971	Skoglund (2002)
Superfamily Cypraeoidea Rafinesque 1815	
Family Cypraeidae Rafinesque 1815	
Erosaria (Erosaria) albuginosa Gray, 1825	Holguín-Quiñones and González-Pedraza (1989)
Macrocypraea cervinetta (Kiener, 1843)	Holguín-Quiñones and González-Pedraza (1989)
Mauritia arabicula (Lamarck, 1811)	Holguín-Quiñones and González-Pedraza (1989)
Family Ovulidae Fleming, 1822	
Jenneria pustulata ([Lightfoot, 1786], ex Solander MS)	Rodríguez-Palacios *et al.* (1988)
Neosimnia aequalis (Sowerby, 1832)	Rodríguez-Palacios *et al.* (1988)
Simnialena rufa (Sowerby, 1832)	Rodríguez-Palacios *et al.* (1988)
Superfamily Eulimoidea Philippi 1853	
Family Eulimidae Philippi, 1853	
Eulima (Eulima) raymondi Rivers, 1904	Skoglund (2002)
Melanella drangai (Hertlein and Strong, 1951)	Keen (1971)
Superfamily Janthinoidea Lamarck, 1812	
Family Epitoniidae Berry, 1910	
Amaea (Scalina) ferminiana (Dall, 1908)	Holguín-Quiñones and González-Pedraza (1989)
Amaea (Scalina) tehuanarum DuShane and McLean, 1968	Keen (1971)
Epitonium (Lamelliscala) mitraeforme (Sowerby, 1844)	Keen (1971)
Opalia (Nodiscala) sanjuanensis (Lowe, 1932)	Rodríguez-Palacios *et al.* (1988)
Superfamily Littorinoidea Children, 1834	
Family Littorinidae Children, 1834	
Littoraria (Littoraria) zebra Gray, 1839	Ríos-Jara *et al.* (2009)
Nodilittorina (Nodilittorina) aspera (Philippi, 1846)	Rodríguez-Palacios *et al.* (1988)
Nodilittorina (Fossarillitorina) modesta (Philippi, 1846)	Rodríguez-Palacios *et al.* (1988)
Superfamily Muricoidea Rafinesque, 1815	
Family Buccinidae Rafinesque, 1815	
Caducifer nigricostatus (Reeve, 1846)	Rodríguez-Palacios *et al.* (1988)
Cantharus (Cantharus) panamicus (Hertlein and Strong, 1951)	Rodríguez-Palacios *et al.* (1988)
Cantharus (Pollia) gemmatus (Reeve, 1846)	Holguín-Quiñones and González-Pedraza (1989)
Cantharus (Pollia) ringens (Reeve, 1846)	Ríos-Jara *et al.* (2009)
Cantharus (Pollia) sanguinolentus (Duclos, 1833)	Holguín-Quiñones and González-Pedraza (1989)
Cantharus (Solenosteira) gatesi (Berry, 1963)	Piña-Arce and Herrera-Peña (1980)
Colubraria procera (Sowerby, 1832)	Keen (1971)
Engina fusiformis Pease, 1865	Rodríguez-Palacios *et al.* (1988)
Engina jugosa (C.B. Adams, 1852)	Zamorano *et al.* (2008)
Engina maura (Sowerby, 1832)	Zamorano *et al.* (2006)
Engina tabogaensis Bartsch, 1931	Holguín-Quiñones and González-Pedraza (1989)
Northia northiae (Griffith and Pidgeon, 1834, *ex* Gray MS)	Keen (1971)
Phos (Cymatophos) crassus Hinds, 1843	Piña-Arce and Herrera-Peña (1980)
Family Columbellidae Swainson 1840	
Aesopus (Aesopus) sanctus Dall, 1919	Rodríguez-Palacios *et al.* (1988)
Anachis (Anachis) scalarina (Sowerby, 1832)	Zamorano *et al.* (2006)
Anachis phanea Dall, 1919	Keen (1971)
Columbella fuscata Sowerby, 1832	Holguín-Quiñones and González-Pedraza (1989)
Columbella haemastoma Sowerby, 1832	Rodríguez-Palacios *et al.* (1988)
Columbella major Sowerby, 1832	Holguín-Quiñones and González-Pedraza (1989)
Columbella socorroensis Shaski, 1970	Rodríguez-Palacios *et al.* (1988)
Columbella sonsonatensis (Mörch, 1860)	Rodríguez-Palacios *et al.* (1988)
Columbella strombiformis Lamarck, 1822	Holguín-Quiñones and González-Pedraza (1989)
Cosmiconcha palmeri (Dall, 1913)	Holguín-Quiñones and González-Pedraza (1989)
Costoanachis hilli (Pilsbry and Lowe, 1932)	Rodríguez-Palacios *et al.* (1988)
Costoanachis lentiginosa (Hinds, 1844)	Rodríguez-Palacios *et al.* (1988)
Costoanachis ritteri (Hertlein and Strong, 1951)	Keen (1971)
Costoanachis treva (Baker, Hanna and Strong, 1938)	Rodríguez-Palacios *et al.* (1988)
Cotonopsis (Cotonopsis) suteri Jung, 1989	Skoglund (2002)
Mitrella baccata (Gaskoin, 1851)	Holguín-Quiñones and González-Pedraza (1989)
Mitrella caulerpae Keen, 1971	Zamorano *et al.* (2006)
Mitrella lalage Pilsbry and Lowe, 1932	Keen (1971)

Table 10. ***Continued.***

Mitrella ocellata (Gmelin, 1791)	Rodríguez-Palacios *et al.* (1988)
Mitrella santabarbarensis (Gould and Carpenter, 1857)	Rodríguez-Palacios *et al.* (1988)
Nassarina (Cigclirina) helenae Keen, 1971	Keen (1971)
Nassarina (Cigclirina) perata Keen, 1971	Keen (1971)
Parvanachis gaskoini (Carpenter, 1857)	Rodríguez-Palacios *et al.* (1988)
Radwinia tehuantepecensis Shaski, 1970	Keen (1971)
Steironepion melanosticta Pilsbry and Lowe, 1932	Rodríguez-Palacios *et al.* (1988)
Zafrona incerta (Stearns, 1892)	Rodríguez-Palacios *et al.* (1988)
Family Fasciolariidae Gray, 1853	
Fusinus (Fusinus) dupetitthouarsi (Kiener, 1840)	Piña-Arce and Herrera-Peña (1980)
Fusinus ambustus (Gould, 1853)	Piña-Arce and Herrera-Peña (1980)
Fusinus spectrum (A. Adams and Reeve, 1848)	Piña-Arce and Herrera-Peña (1980)
Latirus mediamericanus Hertlein and Strong, 1951	Rodríguez-Palacios *et al.* (1988)
Leucozonia cerata (Wood, 1828)	Holguín-Quiñones and González-Pedraza (1989)
Leucozonia rudis (Reeve, 1847)	Rodríguez-Palacios *et al.* (1988)
Opeatostoma pseudodon (Burrow, 1815)	Holguín-Quiñones and González-Pedraza (1989)
Pleuroploca granosa (Broderip, 1832)	Holguín-Quiñones and González-Pedraza (1989)
Pleuroploca princeps (Sowerby, 1825)	Holguín-Quiñones and González-Pedraza (1989)
Pleuroploca salmo (Woods, 1828)	Piña-Arce and Herrera-Peña (1980)
Family Harpidae Bronn, 1840	
Harpa crenata Swainson, 1822	Piña-Arce and Herrera-Peña (1980)
Morum (Morum) tuberculosum (Reeve, 1842, ex Sowerby, MS)	Rodríguez-Palacios *et al.* (1988)
Family Melongenidae (McLean, 1996)	
Melongena patula (Broderip and Sowerby, 1829)	Piña-Arce and Herrera-Peña (1980)
Family Muricidae Rafinesque, 1815	
Acanthais brevidentata (Wood, 1828)	Holguín-Quiñones and González-Pedraza (1989)
Acanthais (Acanthais) pyramidalis (Broderip, 1833)	Rodríguez-Palacios *et al.* (1988)
Babelomurex costata (Blainville, 1832)	Rodríguez-Palacios *et al.* (1988)
Coralliophila (Coralliophila) neritoidea (Lamarck, 1816)	Rodríguez-Palacios *et al.* (1988)
Favartia (Favartia) erosa (Broderip, 1833)	Zamorano *et al.* (2006)
Favartia (Favartia) lappa (Broderip, 1833)	Rodríguez-Palacios *et al.* (1988)
Hexaplex erythrostomus (Swainson, 1831)	Holguín-Quiñones and González-Pedraza (1989)
Hexaplex regius (Swainson, 1821)	Piña-Arce and Herrera-Peña (1980)
Hexaplex (Trunculariopsis) brassica (Lamarck, 1822)	Piña-Arce and Herrera-Peña (1980)
Hexaplex (Trunculariopsis) princeps (Broderip, 1833)	Rodríguez-Palacios *et al.* (1988)
Homalocantha oxyacantha (Broderip, 1833)	Rodríguez-Palacios *et al.* (1988)
Mancinella speciosa (Valenciennes, 1832)	Holguín-Quiñones and González-Pedraza (1989)
Mancinella triangularis (Blainville, 1832)	Holguín-Quiñones and González-Pedraza (1989)
Muricanthus ambiguus (Reeve, 1845)	Keen (1971)
Muricanthus nigritus (Philippi, 1845)	Piña-Arce and Herrera-Peña (1980)
Muricanthus radix (Gmelin, 1791)	Ríos-Jara *et al.* (2009)
Muricopsis (Muricopsis) zeteki Hertlein and Strong, 1951	Rodríguez-Palacios *et al.* (1988)
Neorapana muricata (Broderip, 1832)	Holguín-Quiñones and González-Pedraza (1989)
Neorapana tuberculata (Sowerby, 1835)	Ramírez-González and Barrientos-Luján (2007)
Phyllonotus peratus Keen, 1960	Keen (1971)
Plicopurpura columellaris (Lamarck, 1822)	Holguín-Quiñones and González-Pedraza (1989)
Tripterotyphis fayae (Keen and Campbell, 1964)	Zamorano *et al.* (2008)
Tripterotyphis lowei lowei (Pilsbry, 1931)	Rodríguez-Palacios *et al.* (1988)
Quoyula madreporarum (Sowerby, 1834)	Rodríguez-Palacios *et al.* (1988)
Stramonita biserialis (Blainville, 1832)	Piña-Arce and Herrera-Peña (1980)
Thaisella kiosquiformis (Duclos, 1832)	Ríos-Jara *et al.* (2009)
Trachypollia lugubris (C.B. Adams, 1852)	Rodríguez-Palacios *et al.* (1988)
Vasula melones (Duclos, 1832)	Keen (1971)
Vitularia salebrosa (King and Broderip, 1832)	Zamorano *et al.* (2010)
Vokesimurex recurvirostris (Broderip, 1833)	Piña-Arce and Herrera-Peña (1980)
Family Nassariidae Iredale 1916	
Nassarius bailyi (Pilsbry and Lowe, 1932)	Zamorano *et al.* (2010)
Nassarius catallus (Dall, 1908)	Holguín-Quiñones and González-Pedraza (1989)
Nassarius versicolor (C.B. Adams, 1852)	Rodríguez-Palacios *et al.* (1988)
Superfamily Naticoidea Guilding, 1834	
Family Naticidae Guilding, 1834	
Natica (Naticarius) chemnitzii Récluz in Reeve, 1855	Holguín-Quiñones and González-Pedraza (1989)
Natica (Naticarius) colima Strong and Hertlein, 1937	Holguín-Quiñones and González-Pedraza (1989)

Table 10. ***Continued.***

Natica (Naticarius) othello Dall, 1908	Keen (1971)
Natica (Stigmaulax) broderipiana Récluz, 1844	Holguín-Quiñones and González-Pedraza (1989)
Polinices uber (Valenciennes, 1832)	Holguín-Quiñones and González-Pedraza (1989)
Stigmaulax elenae (Récluz, 1844)	Piña-Arce and Herrera-Peña (1980)
Superfamily Olivoidea Olsson, 1956	
Family Cystiscidae Stimpson, 1865	
Persicula imbricata (Hinds, 1844)	Holguín-Quiñones and González-Pedraza (1989)
Persicula phrygia (Hinds, 1844)	Rodríguez-Palacios *et al.* (1988)
Family Mitridae Swainson 1831	
Mitra (Fusimitra) swainsonii Broderip, 1836	Ríos-Jara *et al.* (2009)
Mitra (Nebularia) crenata Broderip, 1836	Rodríguez-Palacios *et al.* (1988)
Mitra (Nebularia) inca d'Orbigny, 1841	
Mitra (Nebularia) lens (Wood, 1828)	Zamorano *et al.* (2008)
Family Olivellidae Troschel, 1869	
Olivella (Olivella) altatae (Marrat*in:* Sowerby, 1871)	Zamorano *et al.* (2008)
Olivella (Olivella) dama (Wood, 1828, ex Mawe MS)	Holguín-Quiñones and González-Pedraza (1989)
Olivella (Olivella) gracilis (Broderip and Sowerby, 1829)	Holguín-Quiñones and González-Pedraza (1989)
Family Olividae Latreille, 1825	
Agaronia testacea (Lamarck, 1811)	Holguín-Quiñones and González-Pedraza (1989)
Oliva (Strephona) incrassata (Lightfoot, 1786)	Holguín-Quiñones and González-Pedraza (1989)
Oliva (Strephona) polpasta Duclos, 1833	Piña-Arce and Herrera-Peña (1980)
Oliva (Strephona) spicata (Röding, 1798)	Piña-Arce and Herrera-Peña (1980)
Oliva (Strephona) splendidula Sowerby, 1825	Piña-Arce and Herrera-Peña (1980)
Family Vasidae H. Adams and A. Adams, 1854	
Vasum caestus (Broderip, 1833)	Holguín-Quiñones and González-Pedraza (1989)
Superfamily Rissooidea Gray, 1847	
Family Barleeidae Gray, 1857	
Barleeia bifasciata (Carpenter, 1957)	Rodríguez-Palacios *et al.* (1988)
Lirobarleeia ingrami (Hertlein and Strong, 1951)	Keen (1971)
Family Rissoidae Gray 1847	
Rissoina (Rissoina) axeliana Hertlein and Strong, 1951	Keen (1971)
Rissoina (Rissoina) stricta Menke, 1850	Rodríguez-Palacios *et al.* (1988)
Superfamily Stromboidea Rafinesque, 1815	
Family Strombidae Rafinesque, 1815	
Strombus (Strombus) gracilior Sowerby, 1825	Holguín-Quiñones and González-Pedraza (1989)
Strombus (Tricornis) galeatus Swainson, 1823	Holguín-Quiñones and González-Pedraza (1989)
Strombus (Tricornis) peruvianus Swainson, 1823	Holguín-Quiñones and González-Pedraza (1989)
Superfamily Tonnoidea Suter, 1913	
Family Bursidae Thiele, 1925	
Bursa (Colubrellina) corrugata corrugata (Perry, 1811)	Ríos-Jara *et al.* (2009)
Marsupina nana (Broderip and Sowerby, 1829)	Piña-Arce and Herrera-Peña (1980)
Family Cassidae Latreille, 1825	
Cypraecassis (Levenia) coarctata (Sowerby, 1825)	Holguín-Quiñones and González-Pedraza (1989)
Family Ficidae Meek, 1864	
Ficus ventricosa (Sowerby, 1825)	Piña-Arce and Herrera-Peña (1980)
Family Personidae Gray, 1854	
Distorsio (Distorsio) decussata (Valencianes, 1832)	Piña-Arce and Herrera-Peña (1980)
Family Ranellidae Gray, 1854	
Monoplex lignarium (Broderip, 1833)	Holguín-Quiñones and González-Pedraza (1989)
Monoplex wiegmanni (Anton, 1839)	Piña-Arce and Herrera-Peña (1980)
Turritriton gibbosum (Broderip, 1833)	Holguín-Quiñones and González-Pedraza (1989)
Family Tonnidae Suter, 1913	
Malea ringens (Swainson, 1822)	Holguín-Quiñones and González-Pedraza (1989)
Superfamily Triphoroidea Gray, 1847	
Family Cerithiopsidae H. Adams and A. Adams, 1853	
Cerithiopsis guatulcoensis Hertlein and Strong, 1951	Keen (1971)
Cerithiopsis oaxacana Hertlein and Strong, 1951	Keen (1971)
Cerithiopsis perrini Hertlein and Strong, 1951	Keen (1971)
Seila assimilata (C.B.Adams, 1852)	Rodríguez-Palacios *et al.* (1988)
Seila pulmoennsis DuShane and Draper, 1975	Rodríguez-Palacios *et al.* (1988)
Family Triphoridae Gray, 1847	
Triphora chathamensis Bartch, 1907	Rodríguez-Palacios *et al.* (1988)
Superfamily Vanikoroidea Gray, 1840	

Table 10. ***Continued.***

Family Hipponicidae Troschel, 1861	
Hipponix antiquatus panamensis C.B. Adams, 1852	Holguín-Quiñones and González-Pedraza (1989)
Hipponix grayanus Menke, 1853	Rodríguez-Palacios *et al.* (1988)
Pilosabia pilosa (Deshayes, 1832)	Rodríguez-Palacios *et al.* (1988)
Pilosabia planatus (Carpenter, 1857)	Rodríguez-Palacios *et al.* (1988)
Family Vanikoridae Gray, 1840	
Vanikoro aperta (Carpenter, 1864)	Rodríguez-Palacios *et al.* (1988)
Superfamily Velutinoidea Gray 1840	
Family Triviidae Troschel 1863	
Trivia fusca (Sowerby, 1832, ex Gray, MS)	
Trivia pacifica (Sowerby, 1832, ex Gray, MS)	Rodríguez-Palacios *et al.* (1988)
Trivia (Pusula) sanguinea (Sowerby, 1832)	Skoglund (2002)
Hespererato columbella (Menke, 1847)	Rodríguez-Palacios *et al.* (1988)
Hespererato scabriscula (Sowerby, 1832)	Zamorano *et al.* (2006)
Superfamily Vermetoidea Rafinesque, 1815	
Family Planaxidae Gray, 1850	
Planaxis obsoletus Menke, 1851	Keen (1971)
Planaxis planicostatus Sowerby, 1825	Holguín-Quiñones and González-Pedraza (1989)
Family Potamididae H. Adams and A. Adams, 1854	
Cerithidea montagnei (d'Orbigny, 1839)	Zamorano *et al.* (2010)
Cerithidea (Cerithideopsis) californica mazatlanica Carpenter, 1857	Holguín-Quiñones and González-Pedraza (1989)
Cerithidea (Cerithideopsis) valida (C.B. Adams, 1852)	Holguín-Quiñones and González-Pedraza (1989)
Family Vermetidae Rafinesque, 1815	
Eualetes centiquadra (Velencienes, 1846)	Holguín-Quiñones and González-Pedraza (1989)
Petaloconchus (Petaloconchus) complicatus Dall, 1908	Rodríguez-Palacios *et al.* (1988)
Petaloconchus (Petaloconchus) flavescens (Carpenter, 1857)	Holguín-Quiñones and González-Pedraza (1989)
Petaloconchus macrophagma Carpenter, 1857	Rodríguez-Palacios *et al.* (1988)
Serpulorbis margaritaceus (Chenu, 1844)	Ríos-Jara *et al.* (2009)
Serpulorbis oryzata (Mörch, 1862)	Holguín-Quiñones and González-Pedraza (1989)
Tripsycha (Tripsycha) tripsycha (Pilsbry and Lowe, 1932)	Rodríguez-Palacios *et al.* (1988)
Vermetus (Thylaeodus) contortus (Carpenter, 1857)	Keen (1983)
Vermetus (Thylaeodus) indentatus (Carpenter, 1857)	Rodríguez-Palacios *et al.* (1988)
Superfamily Xenophoroidea Troschel, 1852	
Family Xenophoridae Troschel, 1852	
Xenophora (Xenophora) conchyliophora (Born, 1780)	Keen (1971)
Subclass Heterobranchia Gray, 1840	
Order Heterostropha Fischer, 1885	
Superfamily Architectonicoidea J.E. Gray, 1850	
Family Architectonicidae Gray, 1850	
Architectonica (Architectonica) nobilis Röding, 1798	Holguín-Quiñones and González-Pedraza (1989)
Superfamily Pyramidelloidea J.E. Gray, 1840	
Family Pyramidellidae Gray, 1840	
Evalea gallegosiana (Hertlein and Strong, 1951)	Keen (1971)
Evalina tehuantepecana (Hertlein and Strong, 1951)	Keen (1971)
Pyrgiscus tehuantepecana (Hertlein and Strong, 1951)	Keen (1971)
Turbonilla (Mormula) guatulcoensis Hertlein and Strong, 1951	Keen (1971)
Turbonilla (Pyrgolampros) soniliana Hertlein and Strong, 1951	Keen (1971)
Turbonilla (Strioturbonilla) contrerasiana Hertlein and Strong, 1951	Keen (1971)
Turbonilla (Strioturbonilla) oaxacana Hertlein and Strong, 1952	Keen (1971)
Subclass Neritimorpha Bandel, 1992	
Superfamily Neritoidea Rafinesque, 1815	
Family Neritidae Rafinesque, 1815	
Nerita (Cymostyla) scabricosta Lamarck, 1822	Holguín-Quiñones and González-Pedraza (1989)
Nerita (Theliostyla) funiculata Menke, 1851	Holguín-Quiñones and González-Pedraza (1989)
Theodoxus (Vittoclithon) luteofasciatus (Miller, 1879)	Holguín-Quiñones and González-Pedraza (1989)
Subclass Opistobranchia H. Milne-Edwards, 1848	
Order Anaspidea Fischer, 1883	
Superfamily Aplysioidea Lamarck, 1809	
Family Aplysiidae Lamarck, 1809	
Aplysia (Neaplysia) californica Cooper, 1863	Rodríguez-Palacios *et al.* (1988)
Dolabella auricularia (Lighfoot, 1786)	Rodríguez-Palacios *et al.* (1988)
Order Cephalaspidea Fischer, 1883	
Superfamily Bulloidea Lamarck, 1801	

Table 10. ***Continued.***

Family Bullidae Rafinesque, 1815	
Bulla (Bulla) punctulata A. Adams *in:* Sowerby, 1850	Holguín-Quiñones and González-Pedraza (1989)
Order Gymnophila Baker 1955	
Superfamily Onchidioidea Rafinesque, 1815	
Family Onchidiidae Rafinesque, 1815	
Hoffmannola hansi (Stearns, 1892)	Rodríguez-Palacios *et al.* (1988)
Hoffmannola lesliei (Stearns, 1892)	Holguín-Quiñones and González-Pedraza (1989)
Order Nudibranchia Blainville, 1814	
Family Dendrodorididae O'donoghue, 1924	
Dendrodoris fumata (Rüppell and Leuckart, 1830)	Rodríguez-Palacios *et al.* (1988)
Family Discodorididae Bergh, 1891	
Dialula sandiegensis (Cooper, 1863)	Rodríguez-Palacios *et al.* (1988)
Family Tritoniidae H. Adams and A. Adams, 1858	
Tritonia festiva (Stearns, 1873)	Rodríguez-Palacios *et al.* (1988)
Subclass Patellogastropoda Lindberg, 1988	
Superfamily Acmaeoidea Forbes, 1850	
Family Lottiidae Gray, 1840	
Lottia acutapex (Berry, 1960)	Holguín-Quiñones and González-Pedraza (1989)
Lottia discors (Philippi, 1849)	Holguín-Quiñones and González-Pedraza (1989)
Lottia mesoleuca (Menke, 1851)	Holguín-Quiñones and González-Pedraza (1989)
Lottia mitella (Menke, 1847)	Holguín-Quiñones and González-Pedraza (1989)
Lottia pediculus (Philippi, 1846)	Holguín-Quiñones and González-Pedraza (1989)
Lottia strongiana (Hertlein, 1958)	Rodríguez-Palacios *et al.* (1988)
Macrarene spectabilospina Shasky, 1970	Keen (1971)
Tectura fascicularis (Menke, 1851)	Holguín-Quiñones and González-Pedraza (1989)
Tectura ubiquita (Lindberg and McLean, 1981)	Skoglund (2002)
Superfamily Eoacmaeoidea Nakano and Ozawa, 2007	
Family Eoacmaeidae Nakano and Ozawa, 2007	
Eoacmaea semirubida (Dall, 1914)	Rodríguez-Palacios *et al.* (1988)
Superfamily Fissurelloidea Fleming 1822	
Family Fissurellidae Fleming 1822	
Diodora inaequalis (Sowerby, 1835)	Holguín-Quiñones and González-Pedraza (1989)
Diodora saturnalis (Carpenter, 1864)	Rodríguez-Palacios *et al.* (1988)
Fissurella (Cremides) asperella Sowerby, 1835	Holguín-Quiñones and González-Pedraza (1989)
Fissurella (Cremides) decemcostata McLean, 1970	Holguín-Quiñones and González-Pedraza (1989)
Fissurella (Cremides) gemmata Menke, 1847	Holguín-Quiñones and González-Pedraza (1989)
Fissurella (Cremides) microtrema Sowerby, 1835	Rodríguez-Palacios *et al.* (1988)
Fissurella (Cremides) nigrocincta Carpenter, 1856	Holguín-Quiñones and González-Pedraza (1989)
Fissurella (Cremides) rubropicta Pilsbry, 1890	Keen (1971)
Fissurella (Cremides) spongiosa Carpenter, 1857	Holguín-Quiñones and González-Pedraza (1989)
Lucapinella aequalis (G.B. Sowerby, 1835)	Keen (1971)
Octomarginula natlandi (Durham, 1950)	Rodríguez-Palacios *et al.* (1988)
Puncturella (Puncturella) punctocostata Berry, 1947	Rodríguez-Palacios *et al.* (1988)
Superfamily Patelloidea Rafinesque, 1815	
Family Patellidae Rafinesque, 1815	
Scutellastra mexicana (Broderip and G.B. Sowerby I, 1829)	Holguín-Quiñones and González-Pedraza (1989)
Subclass Pulmonata Cuvier, 1817	
Order Hygrophila Férussac, 1822	
Superfamily Siphonarioidea Gray, 1827	
Family Siphonariidae Gray, 1827	
Siphonaria (Heterosiphonaria) maura Sowerby, 1835	Holguín-Quiñones and González-Pedraza (1989)
Siphonaria (Heterosiphonaria) palmata Carpenter, 1857	Holguín-Quiñones and González-Pedraza (1989)
Willamia peltoides (Carpenter, 1864)	Rodríguez-Palacios *et al.* (1988)
Subclass Vetigastropoda Salvini-Plawen, 1980	
Superfamily Trochoidea Rafinesque 1815	
Family Trochidae Rafinesque 1815	
Tegula (Agathistoma) corteziana McLean, 1970	de León-Herrera (2000)
Tegula (Agathistoma) globulus (Carpenter, 1857)	Ramírez-González and Barrientos-Luján (2007)
Family Turbinidae Rafinesque 1815	
Astraea (Uvanilla) olivacea (Wood, 1828)	Holguín-Quiñones and González-Pedraza (1989)
Astraea (Uvanilla) unguis (Wood, 1828)	Holguín-Quiñones and González-Pedraza (1989)
Class Polyplacophora Gray, 1821	
Order Neoloricata Bergernhayn, 1955	

Table 10. ***Continued.***

Superfamily Lepidopleuroidea Pilsbry, 1892	
Family Acanthochitonidae Pilsbry, 1893	
Acanthochitona angelica Dall, 1919	Rodríguez-Palacios *et al.* (1988)
Acanthochitona arragonites (Carpenter, 1857)	Reyes-Gómez *et al.* (2010)
Acanthochitona avicula (Carpenter, 1864)	Holguín-Quiñones and González-Pedraza (1989)
Acanthochitona hirundiniformis (Carpenter, 1864)	Rodríguez-Palacios *et al.* (1988)
Acanthochitona rodhea (Pilsbry, 1893)	Rodríguez-Palacios *et al.* (1988)
Family Callistoplacidae Pilsbry, 1893	
Callistoplax retusa (Sowerby *in:* Broderip and Sowerby, 1832)	Reyes-Gómez *et al.* (2010)
Family Chitonidae Rafinesque, 1815	
Chiton (Chiton) albolineatus Broderip and Sowerby, 1829	Rodríguez-Palacios *et al.* (1988)
Chiton (Chiton) articulatus Sowerby *in:* Broderip and Sowerby, 1832	Rodríguez-Palacios *et al.* (1988)
Tonicia forbesii forbesii Carpenter, 1857	Rodríguez-Palacios *et al.* (1988)
Family Ischnochitonidae Dall 1889	
Callistochiton colimensis (A.G. Smith, 1961)	Rodríguez-Palacios *et al.* (1988)
Callistochiton gabbi Pilsbry, 1893	Rodríguez-Palacios *et al.* (1988)
Chaetopleura (Pallochiton) lanuginosa mixta (Dall, 1919)	Zamorano *et al.* (2008)
Chaetopleura (Chaetopleura) hanselmani (Ferreira, 1982)	Reyes-Gómez *et al.* (2010)
Chaetopleura (Chaetopleura) lurida (Sowerby *in:* Broderip and Sowerby, 1832)	Rodríguez-Palacios *et al.* (1988)
Ischnochiton (Ischnochiton) tenuisculptus (Carpenter, 1864)	Rodríguez-Palacios *et al.* (1988)
Lepidochitona (Dendrochiton) lirulata (Berry, 1963)	Rodríguez-Palacios *et al.* (1988)
Lepidochitona (Lepidochitona) beanii (Carpenter, 1857)	Rodríguez-Palacios *et al.* (1988)
Lepidochitona (Lepidochitona) salvadorensis García Ríos, 2006	Reyes-Gómez *et al.* (2010)
Lepidozona (Lepidozona) serrata (Carpenter, 1864)	Reyes-Gómez *et al.* (2010)
Stenoplax (Stenoplax) limaciformis (Sowerby *in* Broderip and Sowerby, 1832)	Reyes-Gómez *et al.* (2010)
Stenoplax (Stenoplax) mariposa (Bartsch MS, Dall, 1919)	Reyes-Gómez *et al.* (2010)
Stenoplax (Stenoplax) rugulata (Sowerby *In:* Broderip and Sowerby, 1832)	Rodríguez-Palacios *et al.* (1988)
Class Cephalopoda Cuvier, 1795	
Subclass Coleoidea Bather, 1888	
Order Octopoda Leach, 1818	
Superfamily Octopodoidea Orbigny, 1840	
Family Octopodidae Orbigny, 1840	
Octopus chierchiae Jatta, 1889	Sánchez (2003)
Octopus hubbsorum Berry, 1953	Sánchez (2003)
Octopus rubescens Berry, 1953	Sánchez (2003)
Order Myopsida Naef, 1916	
Family Loliginidae Lesuer, 1821	
Lolliguncula diomedeae Hoyle, 1904	Sánchez (2003)
Lolliguncula panamensis Berry, 1911	Sánchez (2003)
Order Oegopsida d'Orbigny, 1845	
Family Omastrephidae Steenstrup, 1857	
Dosidicus gigas (d'Orbigny, 1835)	Sánchez (2003)

Table 11. Checklist of the bryozoans recorded in the marine areas of Oaxaca, Mexico.

Phylum Bryozoa Ehrenberg, 1831	**Reference**
Class Gymnolaemata Allman, 1856	
Order Cheilostomatida Busk, 1852	
Suborder Neocheilostomatina d'Hondt, 1985	
Infraorder Ascophora Levinsen, 1909	
Superfamily Schizoporelloidea Jullien, 1883	
Family Cryptosulidae Vigneaux, 1949	
Cryptosula pallasiana (Moll, 1803)	Osburn (1953)

Table 12. Checklist of the echinoderms recorded in the marine areas of Oaxaca, Mexico.

Phylum Echinodermata Bruguiere, 1789	**Reference**
Class Asteroidea Blainville, 1830	
Order Paxillosida Perrier, 1884	
Family Astropectinidae Gray, 1840	
Astropecten armatus Gray, 1840	Honey-Escandón *et al.* (2008)
Family Luidiidae Sladen, 1889	
Luidia bellonae Lütken, 1864	Honey-Escandón *et al.* (2008)
Luidia columbia (Gray, 1840)	Honey-Escandón *et al.* (2008)
Luidia latiradiata (Gray, 1871)	Solís-Marín *et al.* (1993)

Table 12. ***Continued.***

Luidia superba A.H. Clark, 1917	Honey-Escandón *et al.* (2008)
Luidia tessellata Lütken, 1859	Honey-Escandón *et al.* (2008)
Family Porcellanasteridae Sladen, 1889	
Eremicaster crassus (Sladen, 1883)	Benítez-Villalobos *et al.* (2008)
Order Forcipulatida Perrier, 1884	
Family Heliasteridae Viguier, 1878	
Heliaster microbrachius Xantus, 1860	Solís-Marín *et al.* (1993)
Order Valvatida Perrier, 1884	
Family Asteropseidae Hotchkiss and A.M. Clark, 1976	
Asteropsis carinifera (Lamarck, 1816)	Honey-Escandón *et al.* (2008)
Family Mithrodiidae Viguier, 1878	
Mithrodia bradleyi Verrill, 1867	Benítez-Villalobos *et al.* (2008)
Family Ophidiasteridae Verrill, 1870	
Leiaster teres (Verrill, 1871)	Benítez-Villalobos *et al.* (2008)
Pharia pyramidatus (Gray, 1840)	Zamorano and Leyte-Morales (2005)
Phataria unifascialis (Gray, 1840)	Zamorano and Leyte-Morales (2005)
Family Oreasteridae Fisher, 1911	
Nidorellia armata (Gray, 1840)	Benítez-Villalobos *et al.* (2008)
Pentaceraster cumingi (Gray, 1840)	Benítez-Villalobos *et al.* (2008)
Class Ophiuroidea Gray, 1840	
Order Ophiurida Müller and Troschel, 1840	
Family Amphiuridae Ljungman, 1867	
Ophiophragmus marginatus (Lütken, 1859)	Honey-Escandón *et al.* (2008)
Family Ophiacanthidae Perrier, 1891	
Ophiacantha paucispina Lütken and Mortensen, 1899	Honey-Escandón *et al.* (2008)
Family Ophiactidae Matsumoto, 1915	
Ophiactis savignyi (Müller and Troschel, 1842)	Benítez-Villalobos (2001)
Ophiactis simplex (Le Conte, 1851)	Benítez-Villalobos (2001)
Family Ophiocomidae Ljungman, 1867	
Ophiocoma aethiops Lütken, 1859	Zamorano and Leyte-Morales (2005)
Ophiocoma alexandri Lyman, 1860	Zamorano and Leyte-Morales (2005)
Family Ophiodermatidae Ljungman, 1867	
Diopederma daniana (Verrill, 1867)	Honey-Escandón *et al.* (2008)
Ophiocryptus granulosus Nielsen, 1932	Benítez-Villalobos (2001)
Ophioderma teres (Lyman, 1860)	Honey-Escandón *et al.* (2008)
Ophioderma variegata Lütken, 1856	
Ophioderma sp.	Granja-Fernández and López-Pérez, 2011
Family Ophionereididae Ljungman, 1867	
Ophionereis annulata (Le Conte, 1851)	Zamorano and Leyte-Morales (2005)
Family Ophiotrichidae Ljungman, 1866	
Ophiothela mirabilis Verrill, 1867	Granja-Fernández and López-Pérez, 2011
Ophiothrix rudis Lyman, 1874	Benítez-Villalobos (2001)
Ophiothrix spiculata Le Conte, 1851	Zamorano and Leyte-Morales (2005)
Family Ophiuridae Lyman, 1865	
Ophiolepis pacifica Lütken, 1856	Granja-Fernández and López-Pérez, 2011
Ophiolepis variegata Lütken, 1856	Honey-Escandón *et al.* (2008)
Ophiomusium glabrum Lütken and Mortensen, 1899	Honey-Escandón *et al.* (2008)
Class Echinoidea Leske, 1778	
Order Cassiduloida L. Agassiz and Desor, 1847	
Family Cassidulidae L. Agassiz and Desor, 1846	
Rynchollampas pacificus (A. Agassiz, 1863)	Benítez-Villalobos *et al.* (2008)
Order Spatangoida Claus, 1876	
Family Brissidae Gray, 1825	
Meoma ventricosa grandis Gray, 1851	Caso (1983)
Family Loveniidae Lambert, 1905	
Lovenia cordiformis Agassiz, 1872	Caso (1983)
Family Schizasteridae Lambert, 1905	
Agassizia scrobiculata Valenciennes, 1846	Benítez-Villalobos *et al.* (2008)
Order Diadematoida Duncan, 1889	
Family Diadematidae Gray, 1855	
Astropyga pulvinata (Lamarck, 1816)	Caso (1978)
Diadema mexicanum Agassiz, 1863	Benítez-Villalobos (2001)
Order Echinoida Claus, 1876	

Table 12. ***Continued.***

Family Echinometridae Gray, 1825	
Echinometra vanbrunti Agassiz, 1863	Caso (1978)
Family Toxopneustidae Troschel, 1872	
Tripneustes depressus Agassiz, 1863	Benítez-Villalobos *et al.* (2008)
Toxopneustes roseus (A. Agassiz, 1863)	Zamorano and Leyte-Morales (2005)
Order Clypeasteroida Agassiz, 1872	
Family Mellitidae Stefanini, 1911	
Encope micropora L. Agassiz, 1841	Caso (1980)
Order Cidaroida Claus, 1880	
Family Cidariidae Gray, 1825	
Eucidaris thouarsii (Valenciennes, 1846)	Caso (1978)
Hesperocidaris asteriscus Clark, 1948	Zamorano and Leyte-Morales (2005)
Class Holothuroidea Blainville, 1834	
Order Dendrochirotida Grube, 1840	
Family Cucumariidae Ludwig, 1894	
Pseudocnus californicus (Semper, 1868)	Deichmann (1941)
Staurocucumis abyssorum (Theél, 1886)	Deichmann (1941)
Family Psolidae Perrier, 1902	
Lissothuria ornata Verril, 1867	Deichmann (1941)
Family Phyllophoridae Östergren, 1907	
Euthyodiniella zacae (Deichmann 1938)	Deichmann (1938)
Family Sclerodactylidae Panning, 1949	
Afrocucumis ovulum (Selenka, 1867)	Deichmann (1941)
Pentamera zacae Deichmann, 1938	Deichmann (1938)
Order Aspidochirotida Grube, 1840	
Family Holothuriidae Ludwing, 1894	
Holothuria (Stauropora) fuscocinerea Jaeger, 1833	Zamorano and Leyte-Morales (2005)
Holothuria (Selenkothuria) lubrica Selenka, 1867	Deichmann (1958)
Holothuria (Selenkothuria) portovallartensis Caso, 1954	Deichmann (1958)
Holothuria (Selenkothuria) theeli Deichmann, 1938	Deichmann (1938)
Holothuria (Semperothuria) imitans Ludwig, 1875	Zamorano and Leyte-Morales (2005)
Holothuria (Thymiosycia) arenicola Semper, 1868	Zamorano and Leyte-Morales (2005)
Holothuria (Thymiosycia) impatiens (Forskaal, 1775)	Benítez-Villalobos (2001)
Family Stichopodidae Haeckel, 1896	
Isostichopus fuscus (Ludwig, 1875)	Honey-Escandón *et al.* (2008)

Table 13. Checklist of the fish recorded in the marine areas of Oaxaca, Mexico. A= amphidromous; C= catadromous.

Phylum Chordata Bateson, 1885	**Reference**
Class Chondrichthyes Goodrich, 1909	
Order Carcharhiniformes Compagno, 1973	
Family Carcharhinidae Jordan and Evermann, 18961	
Carcharhinus albimarginatus Rüppell, 1837	Compagno *et al.* (1995)
Carcharhinus falciformis (Müller and Henle, 1839)	Compagno *et al.* (1995)
Carcharhinus galapagensis (Snodgrass and Heller, 1905)	Compagno *et al.* (1995)
Carcharhinus leucas (Müller and Henle, 1839) **A**	Compagno *et al.* (1995)
Carcharhinus limbatus (Müller and Henle, 1839) **A**	Compagno *et al.* (1995)
Carcharhinus longimanus (Poey, 1861)	Compagno *et al.* (1995)
Carcharhinus porosus (Ranzani, 1839)	Compagno *et al.* (1995)
Galeocerdo cuvieri (Péron and Lesueur, 1822)	Compagno *et al.* (1995)
Nasolamia velox (Gilbert, 1898)	Compagno *et al.* (1995)
Negaprion brevirostris (Poey, 1868)	Compagno *et al.* (1995)
Prionace glauca (Linnaeus, 1758)	Compagno *et al.* (1995)
Rhizoprionodon longurio (Jordan and Gilbert, 1882)	Compagno *et al.* (1995)
Family Sphyrnidae Gill, 1872	
Sphyrna corona Springer, 1940	Compagno *et al.* (1995)
Sphyrna lewini (Griffith and Smith, 1834)	Tapia-García *et al.* (1995)
Sphyrna media Springer, 1940	Compagno *et al.* (1995)
Sphyrna mokarran (Rüppell, 1837)	Compagno *et al.* (1995)
Sphyrna tiburo (Linnaeus, 1758)	Compagno *et al.* (1995)
Sphyrna zygaena (Linnaeus, 1758)	Compagno *et al.* (1995)
Family Triakidae Gray, 1851	
Mustelus dorsalis Gill, 1864	Compagno *et al.* (1995)
Mustelus lunulatus Jordan and Gilbert, 1882	Tapia-García *et al.* (1995)

Table 13. ***Continued.***

Order Heterodontiformes Garman, 1885	
Family Heterodontidae Gray, 1851	
Heterodontus francisci (Girard, 1855)	Compagno *et al.* (1995)
Heterodontus mexicanus Taylor and Castro-Aguirre, 1972	Compagno *et al.* (1995)
Order Lamniformes Berg, 1940	
Family Alopiidae Bonaparte, 1938	
Alopias pelagicus Nakamura, 1935	Compagno *et al.* (1995)
Alopias superciliosus (Lowe, 1841)	Compagno *et al.* (1995)
Family Lamnidae (Müller and Henle, 1838)	
Isurus oxyrhinchus Rafinesque, 1810	Compagno *et al.* (1995)
Order Orectolobiformes Compagno, 1973	
Family Ginglymostomatidae Gill, 1862	
Ginglymostoma cirratum (Bonnaterre, 1788)	Compagno *et al.* (1995)
Family Rhincodontidae Müller and Henle, 1839	
Rhincodon typus Smith, 1828	Compagno *et al.* (1995)
Order Pristiformes Buen, 1926	
Family Pristidae Bonaparte, 1838	
Pristis microdon Latham, 1794 **A**	Castro-Aguirre and Espinoza-Pérez (1996)
Pristis pectinata Latham, 1794 **A**	Castro-Aguirre and Espinoza-Pérez (1996)
Pristis perotteti Muller and Henle, 1841 **A**	Robertson and Allen (2008)
Order Rajiformes Berg, 1940	
Family Dasyatididae Jordan, 1888	
Dasyatis brevis (Garman, 1880)	McEachran and Notarbartolo-di-Sciara (1995)
Dasyatis dipterura (Jordan and Gilbert, 1880)	Robertson and Allen (2008)
Dasyatis longa (Garman, 1880)	McEachran and Notarbartolo-di-Sciara (1995)
Himantura pacifica (Beebe and Tee-Van, 1941)	McEachran and Notarbartolo-di-Sciara (1995)
Pteroplatytrygon violacea (Bonaparte, 1832)	Castro-Aguirre and Espinoza-Pérez (1996)
Family Gymnuridae Fowler, 1934	
Gymnura crebripunctata (Peters, 1869)	McEachran and Notarbartolo-di-Sciara (1995)
Gymnura marmorata (Cooper, 1864)	McEachran and Notarbartolo-di-Sciara (1995)
Family Myliobatididae Bonaparte, 1838	
Aetobatus narinari (Euphrasen, 1790)	McEachran and Notarbartolo-di-Sciara (1995)
Manta birostris (Dondorff, 1798)	McEachran and Notarbartolo-di-Sciara (1995)
Mobula japonica (Müller and Henle, 1841)	McEachran and Notarbartolo-di-Sciara (1995)
Mobula tarapacana (Philippi, 1892)	McEachran and Notarbartolo-di-Sciara (1995)
Mobula thurstoni (Lloyd, 1908)	McEachran and Notarbartolo-di-Sciara (1995)
Rhinoptera steindachneri Evermann and Jenkins, 1891	McEachran and Notarbartolo-di-Sciara (1995)
Family Rajidae Blainville, 1816	
Raja cortezensis McEachran and Miyake, 1988	McEachran and Notarbartolo-di-Sciara (1995)
Raja equatoralis Jordan and Bollman, 1890	Tapia-García *et al.* (1995)
Raja velezi Chirichigno, 1973	McEachran and Notarbartolo-di-Sciara (1995)
Family Rhinobatidae Müller and Henle, 1837	
Rhinobatos glaucostigma Jordan and Gilbert, 1884	McEachran and Notarbartolo-di-Sciara (1995)
Rhinobatos leucorhynchus Günther, 1867	Tapia-García *et al.* (1995)
Rhinobatos planiceps Garman, 1880	
Zapteryx exasperata (Jordan and Gilbert, 1880)	Tapia-García *et al.* (1995)
Zapteryx xyster Jordan and Evermann, 1896	Robertson and Allen (2008)
Family Urolophidae Müller and Henle, 1841	
Urobatis concentricus Osburn and Nichols, 1916	McEachran and Notarbartolo-di-Sciara (1995)
Urobatis halleri (Cooper, 1863)	McEachran and Notarbartolo-di-Sciara (1995)
Family Urotrygonidae McEachran, Dunn and Miyake, 1996	
Urotrygon aspidura (Jordan and Gilbert, 1882)	McEachran and Notarbartolo-di-Sciara (1995)
Urotrygon chilensis (Günther, 1871)	Tapia-García *et al.* (1995)
Urotrygon munda Gill, 1863	Castro-Aguirre and Espinoza-Pérez (1996)
Urotrygon nana Miyake and McEachran, 1988	Tapia-García *et al.* (1995)
Urotrygon rogersi (Jordan and Starks, 1895)	Tapia-García *et al.* (1995)
Order Torpediniformes Buen, 1926	
Family Narcinidae Gill, 1862	
Diplobatis ommata (Jordan and Gilbert, 1890)	McEachran and Notarbartolo-di-Sciara (1995)
Narcine entemedor Jordan and Starks, 1895	Tapia-García *et al.* (1995)
Narcine vermiculatus Breder, 1928	Tapia-García *et al.* (1995)
Class Actinopterygii Klein, 1885	
Order Albuliformes Greenwood, 1977	

Table 13. ***Continued.***

Family Albulidae Bleeker, 1859	
Albula esuncula (Garman, 1899)	Robertson and Allen (2008)
Albula vulpes (Linnaeus, 1758) **A**	Chávez (1979)
Order Anguilliformes Regan, 1909	
Family Chlopsidae Clausen, 1959	
Chlopsis apterus (Beebe and Tee-Van, 1938)	Robertson and Allen (2008)
Chlopsis kazuko Lavenberg, 1988	Robertson and Allen (2008)
Family Congridae Kaup, 1856	
Arisoma gilberti (Ogilby, 1898)	Allen *et al.* (1995)
Bathycongrus macrurus (Gilbert, 1891)	Allen *et al.* (1995)
Bathycongrus varidens (Garman, 1899)	Allen *et al.* (1995)
Chiloconger dentatus (Garman, 1899)	Robertson and Allen (2008)
Chiloconger obtusus (Garman, 1899)	
Gnathophis cinctus (Garman, 1899)	Allen *et al.* (1995)
Gorgasia punctata Meek and Hildebrand, 1923	Allen *et al.* (1995)
Heteroconger pellegrini Castle, 1999	
Japonoconger proriger (Gilbert, 1891)	
Paraconger californiensis Kanazawa, 1961	Allen *et al.* (1995)
Paraconger similis (Wade, 1946)	
Rhynchoconger nitens (Jordan and Bollman, 1890)	Allen *et al.* (1995)
Xenomystax atrarius Gilbert, 1891	Allen *et al.* (1995)
Family Moringuidae Clausen, 1959	
Neoconger vermiformis Gilbert, 1890	Robertson and Allen (2008)
Family Muraenidae Günther, 1870	
Echidna nebulosa (Ahl, 1789)	Allen *et al.* (1995)
Echidna nocturna (Cope, 1872)	Allen *et al.* (1995)
Gymnomuraena zebra (Shaw, 1797)	Robertson and Allen (2008)
Gymnothorax castaneus (Jordan and Gilbert, 1882)	Allen *et al.* (1995)
Gymnothorax equatorialis (Hildebrand, 1946)	Allen *et al.* (1995)
Gymnothorax eurygnathos Bohlke, 2001	Robertson and Allen (2008)
Gymnothorax phalarus Bussing, 1998	Robertson and Allen (2008)
Gymnothorax panamensis (Steindachner, 1876)	Tapia-García *et al.* (1995)
Muraena argus (Steindachner, 1870)	Allen *et al.* (1995)
Muraena clepsydra Gilbert, 1898	Allen *et al.* (1995)
Muraena lentiginosa Jenyns, 1842	Allen *et al.* (1995)
Uropterygius macrocephalus (Bleeker, 1865)	Allen *et al.* (1995)
Family Muraenesocidae Cope, 1872	
Cynoponticus coniceps (Jordan and Gilbert, 1881)	Allen *et al.* (1995)
Family Ophichthidae Jordan and Evermann, 1896	
Apterichtus equatorialis (Myers and Wade, 1941)	Allen *et al.* (1995)
Bascanichthys bascanoides Osborn and Nichols, 1916	Allen *et al.* (1995)
Bascanichthys panamensis Meek and Hildebrand, 1923	Allen *et al.* (1995)
Callechelys cliffi Böhlke and Briggs, 1954	Allen *et al.* (1995)
Callechelys eristigma McCosker and Rosenblatt, 1972	Allen *et al.* (1995)
Echiophis brunneus (Castro-Aguirre and Suárez de los Cobos, 1983)	Allen *et al.* (1995)
Herpetoichthys fossatus (Myers and Wade, 1941)	Allen *et al.* (1995)
Ichthyapus selachops (Jordan and Gilbert, 1882)	Allen *et al.* (1995)
Letharchus rosenblatti McCosker, 1974	Allen *et al.* (1995)
Myrichthys aspetocheiros McCosker and Rosenblatt, 1993	Allen *et al.* (1995)
Myrichthys tigrinus Girard, 1859	Allen *et al.* (1995)
Myrophis vafer Jordan and Gilbert, 1881	Allen *et al.* (1995)
Ophichthus apachus McCosker and Rosenblatt, 1998	Robertson and Allen (2008)
Ophichthus frontalis Garman, 1899	Allen *et al.* (1995)
Ophichthus longipenis McCosker and Rosenblatt, 1998	Robertson and Allen (2008)
Ophichthus mecopterus McCosker and Rosenblatt, 1998	Robertson and Allen (2008)
Ophichthus triserialis (Kaup, 1856)	Tapia-García *et al.* (1995)
Ophichthus zophochir Jordan and Gilbert, 1882	Tapia-García *et al.* (1995)
Paraletharchus pacificus (Osburn and Nichols, 1916)	Allen *et al.* (1995)
Phaenomonas pinnata Myers and Wade, 1941	Allen *et al.* (1995)
Quassiremus nothochir (Gilbert, 1890)	Allen *et al.* (1995)
Scytalichthys miurus (Jordan and Gilbert, 1882)	Allen *et al.* (1995)
Order Atheriniformes Goüan, 1770	
Family Atherinopsidae Fowler, 1903	

Table 13. ***Continued.***

Atherinella eriarcha (Jordan and Gilbert, 1881)	Allen *et al.* (1995)
Atherinella guatemalensis (Günther, 1864) **A**	Allen *et al.* (1995)
Atherinellanepenthe (Myers and Wade, 1942)	Allen *et al.* (1995)
Atherinella nesiotes Myers and Wade, 1942	Allen *et al.* (1995)
Order Aulopiformes Rosen, 1973	
Family Synodontidae Gill, 1872	
Synodus evermanni Jordan and Bollman, 1889	Tapia-García *et al.* (1995)
Synodus lacertinus Gilbert, 1890	Allen *et al.* (1995)
Synodus scituliceps Jordan and Gilbert, 1881	Tapia-García *et al.* (1995)
Synodus sechurae Hildebrand, 1946	Allen *et al.* (1995)
Order Batrachoidiformes Goodrich, 1909	
Family Batrachoididae Jordan and Everman, 1898	
Batrachoides boulengeri (Gilbert and Starks, 1904)	Chávez (1979)
Batrachoides walkeri Collette and Russo, 1981 **A**	Allen *et al.* (1995)
Porichthys ephippiatus Walker and Rosenblatt, 1988	Allen *et al.* (1995)
Porichthys greenei Gilbert and Starks, 1904	Allen *et al.* (1995)
Porichthys margaritatus (Richardson, 1844)	Tapia-García *et al.* (1995)
Order Beloniformes Berg, 1940	
Family Belonidae Gill, 1832	
Ablennes hians (Valenciennes, 1846)	Allen *et al.* (1995)
Platybelone argalus (Lesueur, 1821)	Allen *et al.* (1995)
Strongylura exilis (Girard, 1854) **A**	Allen *et al.* (1995)
Tylosurus acus pacificus (Steindachner, 1876)	Allen *et al.* (1995)
Tylosurus crocodiles fodiator Jordan and Gilbert, 1882	Allen *et al.* (1995)
Family Exocoetidae Risso, 1827	
Cheilopogon xenopterus (Gilbert, 1890)	Allen *et al.* (1995)
Cypselurus callopterus (Günther, 1866)	Allen *et al.* (1995)
Exocoetus monocirrhus Richardson, 1846	Allen *et al.* (1995)
Exocoetus volitans Linnaeus, 1758	Allen *et al.* (1995)
Fodiator rostratus (Günther, 1866)	Allen *et al.* (1995)
Hirundichthys marginatus (Nichols and Breder, 1928)	Allen *et al.* (1995)
Hirundichthys speculiger Valenciennes, 1846	Allen *et al.* (1995)
Prognichthys tringa Breder, 1928	Allen *et al.* (1995)
Family Hemirhamphidae Gill, 1859	
Euleptorhamphus viridis (Van Hasselt, 1823)	Allen *et al.* (1995)
Hemiramphus saltator Gilbert and Starks, 1904	Allen *et al.* (1995)
Hyporhamphus gilli Meek and Hildebrand, 1923	Allen *et al.* (1995)
Hyporhamphus naos Banford and Collette, 2001	Robertson and Allen (2008)
Hyporhamphus rosae (Jordan and Gilbert, 1880) **A**	Allen *et al.* (1995)
Hyporhamphus snyderi Meek and Hildebrand, 1923	Allen *et al.* (1995)
Hyporhamphus unifasciatus (Ranzani, 1842)	Allen *et al.* (1995)
Oxyporhamphus micropterus micropterus (Valenciennes, 1847)	Allen *et al.* (1995)
Order Beryciformes Regan, 1909	
Family Holocentridae Richardson, 1846	
Myripristis leiognathus Valenciennes, 1846	Allen *et al.* (1995)
Sargocentron suborbitalis (Gill, 1863)	Allen *et al.* (1995)
Order Clupeiformes Bleeker, 1959	
Family Engraulidae Ridewood, 1905	
Anchoa analis (Miller, 1945)	Allen *et al.* (1995)
Anchoa argentivittata (Regan, 1904)	Allen *et al.* (1995)
Anchoa curta (Jordan and Gilbert, 1882) **A**	Chávez (1979)
Anchoa exigua (Jordan and Gilbert, 1882)	Allen *et al.* (1995)
Anchoa ischana (Jordan and Gilbert, 1882)	Chávez (1979)
Anchoa lucida (Jordan and Gilbert, 1882)	Chávez (1979)
Anchoa mundeola (Gilbert and Pierson, 1898)	Allen *et al.* (1995)
Anchoa nasus (Kner and Steindachner, 1867)	Tapia-García *et al.* (1995)
Anchoa scofieldi (Jordan and Culver, 1895)	Chávez (1979)
Anchoa walkeri Baldwinm and Chang, 1970 **A**	Tapia-García *et al.* (1995)
Anchovia macrolepidota (Kner and Steindachner, 1864)	Chávez (1979)
Cetengraulis mysticetus (Günther, 1867)	Tapia-García *et al.* (1995)
Family Clupeidae Cuvier, 1817	
Etrumeus teres (DeKay, 1842)	Castro-Aguirre *et al.* (1999)
Harengula thrissina (Jordan and Gilbert, 1882)	Tapia-García *et al.* (1995)

TABLE 13. ***CONTINUED.***

Lile gracilis Castro-Aguirre and Vivero, 1990	Allen *et al.* (1995)
Lile nigrofasciata Castro-Aguirre, Ruiz-Campos and Balart, 2002	Robertson and Allen (2008)
Lile stolifera (Jordan and Gilbert, 1882)	Chávez (1979)
Neoopisthopterus tropicus (Hildebrand, 1946)	Robertson and Allen (2008)
Opisthonema bulleri (Regan, 1904)	Chávez (1979)
Opisthonema libertate (Günther, 1866)	Tapia-García *et al.* (1995)
Opisthonema medirastre Berry and Barrett, 1963	Tapia-García *et al.* (1995)
Opisthopterus dovii (Günther, 1868)	Tapia-García *et al.* (1995)
Pliosteostoma lutipinnis (Jordan and Gilbert, 1881)	Tapia-García *et al.* (1995)
Sardinops caeruleus (Girard, 1854)	Allen *et al.* (1995)
Sardinops sagax (Jenyns, 1842)	
Family Pristigasteridae Myers, 1960	
Ilisha fuerthii (Steindachner, 1875)	Castro-Aguirre *et al.* (1999)
Order Cyprinodontiformes Berg, 1940	
Family Anablepidae Garman, 1895	
Anableps dowei Gill, 1861 **A**	Tapia-García *et al.*1995
Family Poeciliidae Swainson, 1839	
Poecilia sphenops Valenciennes, 1846 **A**	Chávez (1979)
Poeciliopsis fasciata (Meek, 1904) **A**	Chávez (1979)
Poeciliopsis turrubarensis (Meek, 1912) **A**	Castro-Aguirre (1982)
Order Elopiformes Greenwood, Rosen, Weitzman and Myers, 1966	
Family Elopidae Whitehead, 1962	Allen *et al.* (1995)
Elops affinis Regan, 1909	Castro-Aguirre and Espinoza-Pérez (1996)
Order Gadiformes Goodrich, 1909	
Family Bregmacerotidae Gill, 1872	
Bregmaceros bathymaster Jordan and Bollman, 1890	Robertson and Allen (2008)
Family Moridae Moreau, 1881	
Laemonema verecundum (Jordan and Cramer 1897)	Allen *et al.* (1995)
Physiculus nematopus Gilbert, 1890	Allen *et al.* (1995)
Physiculus talarae Hildebrand and Barton, 1949	Allen *et al.* (1995)
Family Merlucciidae Adams, 1864	
Merluccius angustimanus Garman, 1899	Allen *et al.* (1995)
Order Gonorynchiformes Berg, 1940	
Family Chanidae Jordan, 1887	
Chanos chanos (Forsskäl, 1775) **A**	Chávez (1979)
Order Lampriformes (Berg, 1940)	
Family Regalecidae Clausen, 1959	
Regalecus glesne Ascanius, 1772	Allen *et al.* (1995)
Order Lophiiformes Garman, 1899	
Family Antennariidae Gill, 1863	
Antennarius avalonis Jordan and Starks, 1907	Allen *et al.* (1995)
Antennarius sanguineus Gill, 1863	Allen *et al.* (1995)
Antennarius strigatus Gill, 1863	Allen *et al.* (1995)
Family Lophiidae Moreau, 1881	
Lophiodes caulinaris (Garman, 1899)	Tapia-García *et al.* (1995)
Lophiodes spilurus (Garman, 1899)	Allen *et al.* (1995)
Family Ogcocephalidae Jordan, 1895	
Zalieutes elater (Jordan and Gilbert, 1882)	Tapia-García *et al.* (1995)
Order Ophidiiformes Berg, 1937	
Family Carapidae Jordan and Fowler, 1902	
Echiodon exsilium Rosenblatt, 1961	Robertson and Allen (2008)
Encheliophis dubius (Putnam, 1874)	Castro-Aguirre *et al.* 1999
Encheliophis vermicularis Müller, 1842	Robertson and Allen (2008)
Family Ophidiidae Rafinesque 1810	
Brotula clarkae Hubbs, 1944	Tapia-García *et al.* (1995)
Cherublemma emmelas (Gilbert, 1890)	Allen *et al.* (1995)
Lepophidium pardale (Gilbert, 1890)	Tapia-García *et al.* (1995)
Lepophidium prorates (Jordan and Bollman, 1890)	Allen *et al.* (1995)
Neobythites stelliferoides Gilbert, 1890	Robertson and Allen (2008)
Ophidion imitator Lea, 1997	Robertson and Allen (2008)
Ophidion galeoides Gilbert, 1890	Allen *et al.* (1995)
Otophidium indefatigable Jordan and Bollman, 1889	Allen *et al.* (1995)
Order Perciformes Bleeker, 1859	

Table 13. ***Continued.***

Family Acanthuridae Bleeker, 1859	
Acanthurus nigricans (Linnaeus, 1758)	Allen *et al.* (1995)
Acanthurus triostegus (Linneeus, 1758)	Allen *et al.* (1995)
Acanthurus xanthopterus Valenciennes, 1835	Allen *et al.* (1995)
Prionurus laticlavius (Valenciennes, 1846)	Allen *et al.* (1995)
Prionurus punctatus Gill, 1862	Allen *et al.* (1995)
Family Ammodytidae Lee, 1989	
Ammodytoides gilli (Bean, 1895)	Robertson and Allen (2008)
Family Apogonidae Jordan and Gilbert, 1882	
Apogon pacificus (Herre, 1935)	Robertson and Allen (2008)
Apogon retrosella (Gill, 1862)	Robertson and Allen (2008)
Family Blenniidae Rafinesque 1810	
Ophioblennius steindachneri Jordan and Evermann, 1898	Robertson and Allen (2008)
Plagiotremus azaleus (Jordan and Bollman, 1890)	Robertson and Allen (2008)
Family Chaenopsidae Bleeker, 1859	
Chaenopsis coheni Böhlke, 1957	Allen *et al.* (1995)
Family Callionymidae Bleeker, 1859	
Synchiropus atrilabiatus (Garman, 1899)	Robertson and Allen (2008)
Family Carangidae Rafinesque, 1815	
Alectis ciliaris (Bloch, 1788)	Tapia-García *et al.* (1995)
Caranx caballus Günther, 1868	Tapia-García *et al.* (1995)
Caranx caninus Günther, 1867	Allen *et al.* (1995)
Caranx lugubris Poey, 1860	Allen *et al.* (1995)
Caranx melampygus Cuvier, 1833	Allen *et al.* (1995)
Caranx otrynter Jordan and Gilbert, 1883	Tapia-García *et al.* (1995)
Caranx sexfasciatus Quoy and Gaimard, 1824	Allen *et al.* (1995)
Caranx speciosus Forsskål, 1775	Allen *et al.* (1995)
Caranx vinctus (Jordan and Gilbert, 1882)	Chávez (1979)
Chloroscombrus orqueta Jordan and Gilbert, 1882	Tapia-García *et al.* (1995)
Decapterus macrosoma Bleeker, 1851	Allen *et al.* (1995)
Decapterus muroadsi (Temmink and Schlegel, 1844)	Allen *et al.* (1995)
Elegatis bipinnulata (Quoy and Gaimard, 1825)	Allen *et al.* (1995)
Hemicaranx leucurus (Günther, 1864)	Chávez (1979)
Hemicaranx zelotes Gilbert, 1898	Tapia-García *et al.* (1995)
Naucrates ductor (Linnaeus, 1758)	Allen *et al.* (1995)
Oligoplites altus (Günther, 1868)	Chávez (1979)
Oligoplites refulgens Gilbert and Starks, 1904	Allen *et al.* (1995)
Oligoplites saurus (Bloch and Schneider, 1801)	Chávez (1979)
Selar crumenophthalmus (Bloch, 1793)	Tapia-García *et al.* (1995)
Selene brevoortii (Gill, 1863)	Tapia-García *et al.* (1995)
Selene orstedii Lütken, 1880	Tapia-García *et al.* (1995)
Selene peruviana (Guichenot, 1866)	Tapia-García *et al.* (1995)
Seriola peruana Steindachner, 1876	Allen *et al.* (1995)
Seriola rivoliana Valenciennes, 1833	Allen *et al.* (1995)
Trachinotus kennedyi Steindachner, 1875	Allen *et al.* (1995)
Trachinotus paitensis Cuvier, 1832	Allen *et al.* (1995)
Trachinotus rhodopus Gill, 1863	Allen *et al.* (1995)
Family Centropomidae Poey, 1868	
Centropomus armatus Gill, 1863	Chávez (1979)
Centropomus medius Gunther, 1864	Allen *et al.* (1995)
Centropomus nigrescens Günther, 1864 **A**	Allen *et al.* (1995)
Centropomus robalito Jordan and Gilbert, 1882	Chávez (1979)
Centropomus viridis Lockington, 1877	Allen *et al.* (1995)
Family Chaetodontidae Bonaparte, 1832	
Chaetodon humeralis Günther, 1860	Tapia-García *et al.* (1995)
Johnrandallia nigrirostris (Gill, 1862)	Allen *et al.* (1995)
Family Cirrhitidae Rafinesque, 1810	
Cirrhitus oxycephalus (Bleeker, 1855)	Allen *et al.* (1995)
Cirrhitus rivulatus Valenciennes, 1846	Allen *et al.* (1995)
Oxycirrhites typus Bleeker, 1857	Allen *et al.* (1995)
Family Coryphaenidae Rafinesque, 1810	
Coryphaena equiselis Linnaeus, 1758	Allen *et al.* (1995)
Coryphaena hippurus Linnaeus, 1758	Allen *et al.* (1995)

Table 13. ***Continued.***

Family Dactyloscopidae Bleeker, 1859	
Dactylagnus mundus Gill, 1863	Robertson and Allen (2008)
Dactyloscopus amnis Miller and Briggs, 1962	Robertson and Allen (2008)
Dactyloscopus byersi Dawson, 1969	Robertson and Allen (2008)
Dactyloscopus fimbriatus (Reid, 1935)	Robertson and Allen (2008)
Dactyloscopus lunaticus Gilbert, 1890	Robertson and Allen (2008)
Dactyloscopus minutus Dawson, 1975	Robertson and Allen (2008)
Dactyloscopus pectoralis Gill, 1861	Robertson and Allen (2008)
Gillellus searcheri Dawson, 1977	Robertson and Allen (2008)
Gillellus semicinctus Gilbert, 1890	Robertson and Allen (2008)
Heteristius cinctus (Osburn and Nichols, 1916)	Robertson and Allen (2008)
Family Echeneidae Gill, 1972	
Echeneis naucrates Linnaeus, 1758	Allen *et al.* (1995)
Phtheirichthys lineatus (Menzies, 1791	Allen *et al.* (1995)
Remora australis Bennett, 1840	Allen *et al.* (1995)
Remora brachyptera (Lowe, 1839)	Allen *et al.* (1995)
Remora osteochir Cuvier, 1829	Allen *et al.* (1995)
Remora remora (Linnaeus, 1758)	Allen *et al.* (1995)
Remorina albescens (Temminck and Schlegel, 1850)	Allen *et al.* (1995)
Family Eleotridae Bleeker, 1859	
Dormitator latifrons (Richardson, 1845) **A**	Allen *et al.* (1995)
Eleotris picta Kner, 1863 **A**	Allen *et al.* (1995)
Erotelis armiger (Jordan and Richardson *In:* Jordan, 1895)	Allen *et al.* (1995)
Gobiomorus maculatus (Günther, 1859) **A**	Tapia-García *et al.* (1998)
Gobiomorus polylepis Ginsburg, 1953 **A**	Allen *et al.* (1995)
Family Ephippidae Parenti, 1981	
Chaetodipterus zonatus (Girard, 1858)	Tapia-García *et al.* (1995)
Parapsettus panamensis (Steindachner, 1876)	Allen *et al.* (1995)
Family Gempylidae Lee, 1989	
Gempylus serpens Cuvier, 1829	Allen *et al.* (1995)
Lepidocybium flavobrunneum (Smith 1843)	Allen *et al.* (1995)
Nealotus tripes Johnson, 1865	Allen *et al.* (1995)
Family Gerreidae Gill, 1972	
Diapterus aureolus (Jordan and Gilbert, 1882)	Tapia-García *et al.* (1995)
Diapterus peruvianus (Cuvier, 1830)	Castro-Aguirre (1982)
Eucinostomus argenteus Baird and Girard, 1855 **A**	Allen *et al.* (1995)
Eucinostomus currani Zahuranec, 1980 **A**	Tapia-García *et al.* (1995)
Eucinostomus dowii (Gill, 1863)	Tapia-García *et al.* (1995)
Eucinostomus entomelas Zahuranec, 1980	Chávez (1979)
Eucinostomus gracilis (Gill, 1862) **A**	Tapia-García *et al.* (1995)
Eugerres axillaris (Günther, 1864)	Allen *et al.* (1995)
Eugerres brevimanus (Günther, 1864)	Allen *et al.* (1995)
Eugerres lineatus (Humbolt and Valenciennes, 1821)	Allen *et al.* (1995)
Gerres cinerus (Walbaum, 1792) **A**	Chávez (1979)
Family Gobiidae Fleming, 1822	
Aboma etheostoma Jordan and Starks, 1895	Robertson and Allen (2008)
Awaous trasandeanus (Gunther, 1861) **A**	Allen *et al.* (1995)
Bathygobius ramosus Ginsburg, 1947	Allen *et al.* (1995)
Bollmannia ocellata Gilbert, 1892	Allen *et al.* (1995)
Bollmannia stigmatura Gilbert, 1892	Allen *et al.* (1995)
Ctenogobius manglicola (Jordan and Starks *In:* Jordan, 1895)	Allen *et al.* (1995)
Ctenogobius sagittula (Günter, 1862)	Allen *et al.* (1995)
Elacatinus puncticulatus (Ginsburg, 1938)	Allen *et al.* (1995)
Enypnias seminudus (Günther, 1861)	Allen *et al.* (1995)
Evermannia zosterura (Jordan and Gilbert, 1882)	Chávez (1979)
Evorthodus minutus Meek and Hildebrand, 1928	Allen *et al.* (1995)
Gobionellus microdon (Gilbert, 1892) **A**	Chávez (1979)
Gobiosoma nudum (Meek and Hildebrand, 1928)	Allen *et al.* (1995)
Gobiosoma paradoxum (Günther, 1861)	Allen *et al.* (1995)
Microgobius brevispinnis Ginsburg, 1939	Allen *et al.* (1995)
Microgobius cyclolepis Gilbert, 1890	Allen *et al.* (1995)
Microgobius emblematicus (Jordan and Gilbert, 1882)	Allen *et al.* (1995)
Microgobius erectus Ginsburg, 1938	Allen *et al.* (1995)

Table 13. ***Continued.***

Microgobius miraflorensis Gilbert and Starks, 1904	Chávez (1979)
Microgobius tabogensis Meek and Hildebrand, 1928	Allen *et al.* (1995)
Parrella maxillaris Ginsburg, 1938	Allen *et al.* (1995)
Family Haemulidae Richarson, 1848	
Anisotremus caesius (Jordan and Gilbert, 1882)	Allen *et al.* (1995)
Anisotremus dovii (Günther, 1864)	Chávez (1979)
Anisotremus interruptus (Gill, 1862)	Allen *et al.* (1995)
Anisotremus pacifici (Günther, 1864)	Allen *et al.* (1995)
Anisotremus taeniatus Gill, 1861	Allen *et al.* (1995)
Conodon serrifer Jordan and Gilbert, 1882	Allen *et al.* (1995)
Haemulon flaviguttatum Gill, 1862	Allen *et al.* (1995)
Haemulon maculicauda (Gill, 1862)	Allen *et al.* (1995)
Haemulon scudderi Gill, 1862	Allen *et al.* (1995)
Haemulon sexfasciatum Gill, 1862	Allen *et al.* (1995)
Haemulon steindachneri (Jordan and Gilbert, 1882)	Allen *et al.* (1995)
Haemulopsis axillaris ((Steindachner, 1869)	Tapia-García *et al.* (1995)
Haemulopsis elongatus (Jordan and Gilbert, 1879)	Tapia-García *et al.* (1995)
Haemulopsis leuciscus (Günther, 1864)	Tapia-García *et al.* (1995)
Haemulopsis nitidus (Steindachner, 1869)	Tapia-García *et al.* (1995)
Microlepidotus brevipinnis (Steindachner, 1869)	Allen *et al.* (1995)
Orthopristis cantharinus (Jenyns, 1840)	Allen *et al.* (1995)
Orthopristis chalceus (Günther, 1864)	Tapia-García *et al.* (1995)
Pomadasys bayanus (Jordan and Evermann, 1898) **A**	Allen *et al.* (1995)
Pomadasys branickii (Steindachner, 1879)	Allen *et al.* (1995)
Pomadasys macracanthus (Günther, 1864)	Chávez (1979)
Pomadasys panamensis (Steindachner, 1875)	Tapia-García *et al.* (1995)
Xenichthys xanti Gill, 1863	Tapia-García *et al.* (1995)
Xenistius californiensis (Steindachner, 1875)	Allen *et al.* (1995)
Family Istiophoridae Lee, 1989	
Istiophorus platypterus (Shaw, 1792)	Allen *et al.* (1995)
Makaira indica (Cuvier *In*: Cuvier and Valenciennes, 1832)	Allen *et al.* (1995)
Makaira mazara (Jordan and Snyder, 1901)	Allen *et al.* (1995)
Tetrapturus angustirostris Tanaka, 1915	Allen *et al.* (1995)
Tetrapturus audax (Philippi, 1887)	Allen *et al.* (1995)
Family Kuhliidae Gill, 1972	
Kuhlia mugil (Forster *In*: Bloch and Schneider, 1801)	Robertson and Allen (2008)
Family Kyphosidae Gill, 1972	
Kyphosus analogus (Gill, 1862)	Allen *et al.* (1995)
Kyphosus elegans (Peters, 1869)	Allen *et al.* (1995)
Sectator ocyurus (Jordan and Gilbert, 1882)	Allen *et al.* (1995)
Family Labridae Cuvier, 1816	
Bodianus diplotaenia (Gill, 1862)	Allen *et al.* (1995)
Decodon melasma Gomon, 1974	Allen *et al.* (1995)
Halichoeres aestuaricola Bussing, 1972	Allen *et al.* (1995)
Halichoeres chierchiae Di Caporiacco, 1947	Allen *et al.* (1995)
Halichoeres dispilus (Günther, 1864)	Allen *et al.* (1995)
Halichoeres melanotis (Gilbert, 1890)	Allen *et al.* (1995)
Halichoeres nicholsi (Jordan and Gilbert, 1882)	Allen *et al.* (1995)
Halichoeres notospilus (Günther, 1864)	Allen *et al.* (1995)
Iniistius pavo (Valenciennes *in:* Cuvier and Valenciennes, 1840)	Ramírez-Gutiérrez *et al.* (2007)
Novaculichthys taeniourus (Lacépède, 180l)	Allen *et al.* (1995)
Thalassoma grammaticum Gilbert, 1890	Allen *et al.* (1995)
Thalassoma lucasanum (Gill, 1862)	Allen *et al.* (1995)
Family Labrisomidae Bleeker, 1859	
Paraclinus mexicanus (Gilbert, 1904)	Robertson and Allen (2008)
Family Lobotidae Springer and Raasch, (1995)	
Lobotes pacificus Gilbert 1898	Allen *et al.* (1995)
Lobotes surinamensis (Bloch, 1790)	Chávez (1979)
Family Lutjanidae Springer and Raasch, (1995)	
Hoplopagrus guentherii Gill, 1862	Allen *et al.* (1995)
Lutjanus aratus (Günther, 1864)	Allen *et al.* (1995)
Lutjanus argentiventris (Peters, 1869)	Allen *et al.* (1995)
Lutjanus colorado Jordan and Gilbert, 1882	Tapia-García *et al.* (1995)

Table 13. ***Continued.***

Lutjanus guttatus (Steindachner, 1869)	Tapia-García *et al.* (1995)
Lutjanus inermis (Peters, 1869)	Allen *et al.* (1995)
Lutjanus jordani (Gilbert, 1897)	Allen *et al.* (1995)
Lutjanus novemfasciatus Gill, 1862	Allen *et al.* (1995)
Lutjanus peru (Nichols and Murphy, 1922)	Tapia-García *et al.* (1995)
Lutjanus viridis (Valenciennes, 1846)	Allen *et al.* (1995)
Family Luvaridae Parenti, 1981	
Luvarus imperialis Rafinesque, 1810	Allen *et al.* (1995)
Family Malacanthidae Springer and Raasch, (1995)	
Caulolatilus affinis Gill, 1865	Allen *et al.* (1995)
Caulolatilus hubbsi Dooley, 1978	Allen *et al.* (1995)
Caulolatilus princeps (Jenyns, 1840)	Allen *et al.* (1995)
Family Microdesmidae Bleeker, 1859	
Microdesmus affinis Meek and Hildebrand, 1928	Robertson and Allen (2008)
Microdesmus dipus Günther, 1864	Castro-Aguirre *et al.* (1999)
Microdesmus dorsipunctatus Dawson, 1968	Castro-Aguirre *et al.* (1999)
Family Mugilidae Bonaparte, 1831	
Agonostomus monticola (Bancroft, 1834) **C**	Allen *et al.* (1995)
Chaenomugil proboscideus (Günther, 1861)	Allen *et al.* (1995)
Joturus pichardi Poey, 1860 **C**	Allen *et al.* (1995)
Mugil cephalus Linnaeus, 1758 **C**	Chávez (1979)
Mugil curema Valenciennes, 1836 **C**	Chávez (1979)
Mugil hospes Jordan and Culver, 1895	Chávez (1979)
Mugil setosus Gilbert, 1892	Allen *et al.* (1995)
Family Mullidae Günther, 1859	
Mulloidichthys dentatus (Gill, 1862)	Tapia-García *et al.* (1995)
Pseudupeneus grandisquamis (Gill, 1863)	Tapia-García *et al.* (1995)
Family Nematistiidae Springer and Raasch, (1995)	
Nemastistius pectoralis Gill, 1862	Castro-Aguirre *et al.* (1999)
Family Nomeidae Lee, 1989	
Nomeus gronovii (Gmelin, 1789)	Allen *et al.* (1995)
Psenes sio Haedrich, 1970	Allen *et al.* (1995)
Family Opistognathidae Springer and Raasch, (1995)	
Lonchopisthus sinuscalifornicus (Castro-Aguirre and Villavicencio-Garayzar, 1988)	
Opistognathus punctatus Peters, 1869	Robertson and Allen (2008)
Opistognathus scops (Jenkins and Evermann, 1889)	Robertson and Allen (2008)
Family Polynemidae Springer and Raasch, (1995)	
Polydactylus approximans (Lay and Bennett, 1839)	Chávez (1979)
Polydactylus opercularis (Gill, 1863)	Tapia-García *et al.* (1995)
Family Polyprionidae Springer and Raasch, (1995)	
Stereolepis gigas Ayres, 1859	Allen *et al.* (1995)
Family Pomacanthidae Fraser-Brunner, 1933	
Holacanthus passer Valenciennes, 1846	Allen *et al.* (1995)
Pomacanthus zonipectus (Gill, 1862)	Allen *et al.* (1995)
Family Pomacentridae (Cuvier, 1816)	
Abudefduf concolor (Gill, 1862)	Allen *et al.* (1995)
Abudefduf declivifrons (Gill, 1862)	Robertson and Allen (2008)
Abudefduf troschelii (Gill, 1862)	Allen *et al.* (1995)
Chromis alta Greenfield and Woods, 1980	Allen *et al.* (1995)
Chromis atrilobata Gill, 1862	Allen *et al.* (1995)
Microspathodon bairdii (Gill, 1862)	Allen *et al.* (1995)
Microspathodon dorsalis (Gill, 1862)	Allen *et al.* (1995)
Stegastes acapulcoensis (Fowler, 1944)	Allen *et al.* (1995)
Stegastes flavilatus (Gill, 1862)	Allen *et al.* (1995)
Stegastes rectifraenum (Gill, 1862)	Allen *et al.* (1995)
Family Priacanthidae Springer and Raasch, (1995)	
Cookeolus japonicus (Cuvier *In:* Cuvier and Valenciennes, 1829)	Allen *et al.* (1995)
Heteropriacanthus cruentatus (Lacepède, 1801)	Allen *et al.* (1995)
Pristigenys serrula (Gilbert, 1891)	Tapia-García *et al.* (1995)
Family Ptereleotridae Thacker, 2000	
Ptereleotris carinata Bussing, 2001	Robertson and Allen (2008)
Family Scaridae Rafinesque, 1810	
Nicholsina denticulata (Evermann and Radcliffe, 1917)	Allen *et al.* (1995)

Table 13. ***Continued.***

Scarus compressus (Osburn and Nichols, 1916)	Allen *et al.* (1995)
Scarus ghobban Forsskål, 1775	Allen *et al.* (1995)
Scarus perrico Jordan and Gilbert, 1882	Allen *et al.* (1995)
Scarus rubroviolaceus Bleeker, 1847	Allen *et al.* (1995)
Family Sciaenidae Regan, 1913	
Bairdiella armata Gill, 1863	Allen *et al.* (1995)
Bairdiella ensifera (Jordan and Gilbert, 1882)	Allen *et al.* (1995)
Bairdiella icistia (Jordan and Gilbert, 1882)	Allen *et al.* (1995)
Corvula macrops (Steindachner, 1876)	Allen *et al.* (1995)
Cynoscion albus (Günther, 1864)	Allen *et al.* (1995)
Cynoscion nannus Castro-Aguirre and Arvizu-Martínez, 1976	Allen *et al.* (1995)
Cynoscion phoxocephalus Jordan and Gilbert, 1882	Tapia-García *et al.* (1995)
Cynoscion reticulatus (Günther, 1864)	Tapia-García *et al.* (1995)
Cynoscion squamipinnis (Günther, 1867)	Allen *et al.* (1995)
Cynoscion stolzmanni (Steindachner, 1879)	Allen *et al.* (1995)
Elattarchus archidium (Jordan and Gilbert, 1882)	Tapia-García *et al.* (1995)
Isopisthus remifer Jordan and Gilbert, 1882	Tapia-García *et al.* (1995)
Larimus acclivis Jordan and Brisol, 1898	Tapia-García *et al.* (1995)
Larimus argenteus (Gill, 1863)	Tapia-García *et al.* (1995)
Larimus effulgens Gilbert, 1898	Tapia-García *et al.* (1995)
Larimus pacificus Jordan and Bollman, 1890	Tapia-García *et al.* (1995)
Menticirrhus elongatus (Günther, 1864)	Tapia-García *et al.* (1995)
Menticirrhus nasus (Günther, 1868)	Tapia-García *et al.* (1995)
Menticirrhus paitensis Hildebrand, 1946	Allen *et al.* (1995)
Menticirrhus panamensis (Steindachner, 1877)	Tapia-García *et al.* (1995)
Menticirrhus undulatus (Girard, 1854)	Allen *et al.* (1995)
Micropogonias altipinnis (Günther, 1864)	Tapia-García *et al.* (1995)
Micropogonias ectenes Jordan and Gilbert, 1882	Allen *et al.* (1995)
Micropogonias megalops (Gilbert, 1890)	Allen *et al.* (1995)
Odontoscion xanthops Gilbert, 1898	Allen *et al.* (1995)
Ophioscion imiceps (Jordan and Gilbert, 1882)	Allen *et al.* (1995)
Ophioscion scierus (Jordan and Gilbert, 1884)	Allen *et al.* (1995)
Ophioscion strabo Gilbert, 1897	Allen *et al.* (1995)
Paralonchurus goodei Gilbert *In*: Jordan and Evermann, 1898	Tapia-García *et al.* (1995)
Paralonchurus rathbuni (Jordan and Bollman, 1890)	Allen *et al.* (1995)
Pareques fuscovittatus (Kendall and Radcliffe, 1912)	Allen *et al.* (1995)
Stellifer chrysoleuca (Günther, 1867)	Allen *et al.* (1995)
Stellifer ericymba (Jordan and Gilbert, 1882)	Allen *et al.* (1995)
Stellifer illecebrosus Gilbert *In*: Jordan and Evermann, 1898	Tapia-García *et al.* (1995)
Umbrina analis Günther, 1868	Allen *et al.* (1995)
Umbrina bussingi López, 1980	Allen *et al.* (1995)
Umbrina dorsalis Gill, 1862	Allen *et al.* (1995)
Umbrina xanti Gill, 1862	Tapia-García *et al.* (1995)
Family Scombridae Rafinesque, 1815	
Acanthocybium solandri (Cuvier, 1832)	Allen *et al.* (1995)
Auxis rochei eudorax Collette and Aadland, 1996	Allen *et al.* (1995)
Auxis thazard brachydorax Collette and Aadland, 1996	Allen *et al.* (1995)
Euthynnus lineatus Kishinouye, 1920	Allen *et al.* (1995)
Katsuwonus pelamis (Linnaeus, 1758)	Allen *et al.* (1995)
Sarda orientalis (Temminck and Schlegel, 1844)	Allen *et al.* (1995)
Scomberomorus sierra Jordan and Starks, 1895	Tapia-García *et al.* (1995)
Thunnus albacares (Bonnaterre, 1788)	Allen *et al.* (1995)
Thunnus obesus (Lowe, 1839)	Allen *et al.* (1995)
Family Serranidae Swainson, 1839	
Alphestes immaculatus Breder, 1936	Allen *et al.* (1995)
Alphestes multiguttatus (Günther, 1867)	Allen *et al.* (1995)
Cephalopholis panamensis (Steindachner, 1877)	Allen *et al.* (1995)
Dermatolepis dermatolepis (Boulenger, 1895)	Allen *et al.* (1995)
Diplectrum eumelum Rosenblatt and Johnson, 1974	Allen *et al.* (1995)
Diplectrum euryplectrum Jordan and Bollmann, 1890	Tapia-García *et al.* (1995)
Diplectrum labarum Rosenblatt and Johnson, 1974	Tapia-García *et al.* (1995)
Diplectrum macropoma (Günther, 1864)	Tapia-García *et al.* (1995)
Diplectrum maximum Hildebrand, 1946	Allen *et al.* (1995)

Table 13. ***Continued.***

Diplectrum pacificum Meek and Hildebrand, 1925	Tapia-García *et al.* (1995)
Diplectrum rostrum Bortone, 1974	Allen *et al.* (1995)
Epinephelus acanthistius (Gilbert, 1892)	Allen *et al.* (1995)
Epinephelus analogus Gill, 1864	Tapia-García *et al.* (1995)
Epinephelus exsul (Fowler, 1944)	Allen *et al.* (1995)
Epinephelus itajara (Lichtenstein, 1822)	Allen *et al.* (1995)
Epinephelus labriformis (Jenyns, 1840)	Allen *et al.* (1995)
Hemanthias signifer (Garman, 1899)	Allen *et al.* (1995)
Hemanthias peruanus (Steindachner, 1874)	Allen *et al.* (1995)
Hyporthodus niphobles (Gilbert and Starks, 1897)	Allen *et al.* (1995)
Mycteroperca xenarcha Jordan, 1888	Allen *et al.* (1995)
Paralabrax loro Walford, 1936	Allen *et al.* (1995)
Paralabrax nebulifer (Girard, 1854)	Allen *et al.* (1995)
Paranthias colonus (Valenciennes, 1846)	Allen *et al.* (1995)
Pronotogrammus eos Gilbert, 1890	Allen *et al.* (1995)
Pronotogrammus multifasciatus Gill, 1863	Allen *et al.* (1995)
Rypticus bicolor Valenciennes, 1846	Allen *et al.* (1995)
Rypticus nigripinnis Gill, 1861	Tapia-García *et al.* (1995)
Serranus aequidens (Gilbert, 1890)	Allen *et al.* (1995)
Serranus huascarii Boulenger, 1895	Allen *et al.* (1995)
Serranus psittacinus Valenciennes, 1846	Allen *et al.* (1995)
Family Sparidae Bonaparte, 1832	
Calamus brachysomus (Lockington, 1880)	Allen *et al.* (1995)
Family Sphyraenidae Röse, 1793	
Sphyraena ensis Jordan and Gilbert, 1882	Tapia-García *et al.* (1995)
Family Stromateidae Lee, 1989	
Peprilus medius (Peters, 1869)	Tapia-García *et al.* (1995)
Peprilus snyderi Gilbert and Starks, 1904	Tapia-García *et al.* (1995)
Family Trichiuridae Rafinesque, 1810	
Trichiurus lepturus Linnaeus, 1758 **A**	Allen *et al.* (1995)
Family Uranoscopidae Regan, 1913	
Astroscopus zephyreus Gilbert and Starks *In:* Gilbert, 1897	Allen *et al.* (1995)
Kathetostoma averruncus Jordan and Bollmann, 1890	Allen *et al.* (1995)
Family Xiphiidae Regan, 1909	
Xiphias gladius Linnaeus, 1758	Allen *et al.* (1995)
Family Zanclidae Parenti, 1981	
Zanclus cornutus (Linnaeus, 1758)	Robertson and Allen (2008)
Order Pleuronectiformes Bleeker, 1859	
Family Achiridae Swainson, 1839	
Achirus mazatlanus (Steindachner, 1869) **A**	Tapia-García *et al.* (1995)
Achirusscutum (Günther, 1862)	Tapia-García *et al.* (1995)
Achirus zebrinus Clark, 1936	Tapia-García *et al.* (1995)
Trinectes fonsecensis (Günther, 1862)	Tapia-García *et al.* (1995)
Family Bothidae Norman, 1934	
Bothus constellatus (Jordan and Goss, 1889)	Tapia-García *et al.* (1995)
Bothus leopardinus (Günther, 1862)	Allen *et al.* (1995)
Engyphrys sanctilaurentia Jordan and Bollman, 1890	Tapia-García *et al.* (1995)
Monolene asaedai Clark, 1936	Tapia-García *et al.* (1995)
Perissias taeniopterus (Gilbert, 1890)	Allen *et al.* (1995)
Family Cynoglossidae Swainson, 1839	
Symphurus atramentatus (Jordan and Bollman, 1890)	Tapia-García *et al.* (1995)
Symphurus callopterus Munroe and Mahadeva, 1989	Allen *et al.* (1995)
Symphurus chabanaudi Mahadeva and Munroe, 1990	Allen *et al.* (1995)
Symphurus elongatus (Günther, 1868)	Tapia-García *et al.* (1995)
Symphurus fasciolaris Gilbert, 1892	Allen *et al.* (1995)
Symphurus gorgonae Chabanaud, 1948	Allen *et al.* (1995)
Symphurus leei Jordan and Bollman, 1890	Allen *et al.* (1995)
Symphurus melanurus Clark, 1936	Allen *et al.* (1995)
Symphurus melasmatotheca Munroe and Nizinski, 1990	Allen *et al.* (1995)
Symphurus oligomerus Mahadeva and Munroe, 1990	Allen *et al.* (1995)
Symphurus prolatinaris Munroe, Nizinski and Mahadeva, 1991	Allen *et al.* (1995)
Symphurus undecimplerus Munroe and Nizinski, 1990	Allen *et al.* (1995)
Symphurus williamsi Jordan and Culver *In*: Jordan, 1895	Allen *et al.* (1995)

Table 13. ***Continued.***

Family Paralichthyidae Swainson, 1839	
Ancylopsetta dendritica Gilbert, 1890	Tapia-García *et al.* (1995)
Citharichthys gilberti Jenkins and Evermann, 1889 **A**	Tapia-García *et al.* (1995)
Citharichthys mariajorisae van der Heiden and Mussot-Pérez, (1995)	Robertson and Allen (2008)
Citharichthys platophrys Gilbert, 1891	Tapia-García *et al.* (1995)
Citharichthys stigmaeus Jordan and Gilbert, 1882	Allen *et al.* (1995)
Citharichthys xanthostigma Gilbert, 1890	Allen *et al.* (1995)
Cyclopsetta panamensis (Steindachner, 1875)	Tapia-García *et al.* (1995)
Cyclopsetta querna (Jordan and Bollman, 1890)	Tapia-García *et al.* (1995)
Etropus crossotus Jordan and Gilbert, 1882	Tapia-García *et al.* (1995)
Etropus peruvianus Hildebrand, 1946	Allen *et al.* (1995)
Hippoglossina bollmani Gilbert, 1890	Allen *et al.* (1995)
Hippoglossina tetrophthalma (Gilbert, 1890)	Allen *et al.* (1995)
Paralichthys woolmani Jordan and Williams, 1897	Tapia-García *et al.* (1995)
Syacium latifrons Jordan and Gilbert, 1882	Tapia-García *et al.* (1995)
Syacium ovale (Günther, 1864)	Tapia-García *et al.* (1995)
Order Scorpaeniformes Garman, 1899	
Family Scorpaenidae Risso, 1827	
Pontinus furcirhinus Garman, 1899	Allen *et al.* (1995)
Pontinus sierra (Gilbert, 1890)	Tapia-García *et al.* (1995)
Scorpaena histrio Jenyns, 1840	Allen *et al.* (1995)
Scorpaena plumieri mystes Jordan and Starks, 1895	Allen *et al.* (1995)
Scorpaena russula Jordan and Bollman, 1889	Tapia-García *et al.* (1995)
Scorpaenodes xyris (Jordan and Gilbert, 1882)	Allen *et al.* (1995)
Family Triglidae Regan, 1913	
Bellator gymnostethus (Gilbert, 1892)	Allen *et al.* (1995)
Bellator loxias (Jordan, 1897)	Tapia-García *et al.* (1995)
Bellator xenisma (Jordan and Bollman, 1890)	Allen *et al.* (1995)
Prionotus albirostris Jordan and Bollman, 1890	Tapia-García *et al.* (1995)
Prionotus birostratus Richardson, 1844	Tapia-García *et al.* (1995)
Prionotus horrens Richardson, 1844	Tapia-García *et al.* (1995)
Prionotus ruscarius Gilbert and Starks, 1904	Tapia-García *et al.* (1995)
Prionotus stephanophrys Lockington, 1881	Tapia-García *et al.* (1995)
Order Siluriformes Cuvier, 1817	
Family Ariidae Günter, 1864	
Arius guatemalensis Günter, 1864 **A**	Allen *et al.* (1995)
Ariusseemanni Günther, 1864 **A**	Chávez (1979)
Bagre panamensis Gill, 1863	Tapia-García *et al.* (1995)
Bagre pinnimaculatus Steindachner, 1876 **A**	Allen *et al.* (1995)
Cathorops fuerthii (Steindachner, 1877) **A**	Allen *et al.* (1995)
Cathorops liropus (Bristol, 1897)	Tapia-García *et al.* (1998)
Notarius kessleri (Steindachner, 1877)	Allen *et al.* (1995)
Notarius planiceps (Steindachner, 1877)	Allen *et al.* (1995)
Occidentarius platypogon (Günther, 1864)	Allen *et al.* (1995)
Sciades dowii (Gill, 1863) **A**	Allen *et al.* (1995)
Sciades troschelii (Gill 1863)	Allen *et al.* (1995)
Order Syngnathiformes Berg, 1940	
Family Fistulariidae Blainville, 1818	
Fistularia commersonii Rüppell, 1838	Allen *et al.* (1995)
Fistularia corneta Gilbert and Starks, 1904	Tapia-García *et al.* (1995)
Family Syngnathidae Bonaparte, 1831	
Hippocampus ingens Girard, 1858	Tapia-García *et al.* (1995)
Syngnathus auliscus (Swain, 1882)	Castro-Aguirre *et al.* (1999)
Order Tetraodontiformes Berg, 1940	
Family Balistidae Regan, 1902	
Balistes polylepis Steindachner, 1876	Tapia-García *et al.* (1995)
Canthidermis maculatus (Bloch, 1786)	Allen *et al.* (1995)
Melichthys niger (Bloch, 1786)	Allen *et al.* (1995)
Pseudobalistes naufragium (Jordan and Starks, 1895)	Allen *et al.* (1995)
Sufflamen verres (Gilbert and Starks, 1904)	Allen *et al.* (1995)
Family Diodontidae Bibron, 1855	
Diodon eydouxii Brissout de Barneville, 1846	Robertson and Allen (2008)
Diodon holocanthus Linnaeus, 1758	Tapia-García *et al.* (1995)

Table 13. ***Continued.***

Diodon hystrix Linneaus, 1758	Tapia-García *et al.* (1995)
Family Molidae Parr, 1933	
Mola mola (Linnaeus, 1758)	Allen *et al.* (1995)
Ranzania laevis (Pennant, 1776)	Allen *et al.* (1995)
Family Monacanthidae Parr, 1933	
Aluterus scriptus (Osbeck, 1765)	Tapia-García *et al.* (1995)
Aluterus monocerus (Linnaeus, 1758)	Allen *et al.* (1995)
Cantherhines dumerilii (Hollard, 1854)	Allen *et al.* (1995)
Family Ostraciidae Rafinesque, 1815	
Ostracion meleagris Shaw, 1796	Robertson and Allen (2008)
Family Tetraodontidae Bonaparte, 1832	
Arothron hispidus (Linnaeus, 1758)	Allen *et al.* (1995)
Arothron meleagris (Lacépède, 1798)	Allen *et al.* (1995)
Canthigaster punctatissima (Günther, 1870)	Allen *et al.* (1995)
Lagocephalus lagocephalus (Linnaeus, 1758)	Allen *et al.* (1995)
Sphoeroides annulatus (Jenyns, 1842)	Chávez (1979)
Sphoeroides lobatus (Steindachner, 1870)	Tapia-García *et al.* (1995)
Sphoeroides sechurae Hildebrand, 1946	Allen *et al.* (1995)
Sphoeroides trichocephalus (Cope, 1870)	Allen *et al.* (1995)

Table 14. Checklist of amphibians and reptiles recorded in the marine and coastal areas of Oaxaca, Mexico.

Phylum Chordata Bateson, 1885	**Reference**
Class Amphibia Linnaeus, 1758	
Subclass Lisssamphibia Haeckel, 1866	
Order Anura (Fischer von Waldheim, 1813) Gray 1825	
Family Bufonidae Gray, 1825	
Incilius marmoreus (Wiegmann, 1833)	Casas-Andreu *et al.* 2004
Rhinella marina (Linnaeus, 1758)	Casas-Andreu *et al.* 2004
Family Ranidae Rafinesque, 1814	
Lithobates berlandieri (Baird, 1854)	Casas-Andreu *et al.* 2004
Lithobates forreri (Boulenger, 1883)	Casas-Andreu *et al.* 2004
Class Reptilia (Linnaeus, 1758)	
Order Crocodylia Owen, 1842	
Family Crocodylidae Cuvier, 1807	
Crocodylus acutus Cuvier, 1807	Casas-Andreu *et al.* 2004
Order Squamata Oppel, 1811	
Suborder Lacertilia Günther, 1867	
Family Corytophanidae Fitzinger, 1843	
Basiliscus vittatus Wiegmann, 1828	Casas-Andreu *et al.* 2004
Family Iguanidae Frost and Etheridge, 1989	
Ctenosaura oaxacana Gray, 1842	Casas-Andreu *et al.* 2004
Ctenosaura pectinata Wiegmann, 1834	Casas-Andreu *et al.* 2004
Iguana iguana Linnaeus, 1758	Casas-Andreu *et al.* 2004
Suborder Serpentes Linnaeus, 1758	
Family Boidae Gray, 1825	
Boa constrictor Linnaeus, 1758	Casas-Andreu *et al.* 2004
Family Colubridae Oppel, 1811	
Drymarchon corais Boie, 1827	Casas-Andreu *et al.* 2004
Leptophis diplotropis Günter, 1872	Casas-Andreu *et al.* 2004
Oxybelis aeneus Wagler, 1824	Casas-Andreu *et al.* 2004
Salvadora lemniscata Cope, 1895	Casas-Andreu *et al.* 2004
Senticolis triaspis Cope, 1866	Casas-Andreu *et al.* 2004
Stenorrhina freminvillei Duméril, Bibron et Duméril, 1854	Casas-Andreu *et al.* 2004
Symphimus leucostomous Cope, 1870 (1869)	Casas-Andreu *et al.* 2004
Trimorphodon biscutatus Duméril, Bibron et Duméril, 1854	Casas-Andreu *et al.* 2004
Family Dipsadidae Bonaparte, 1838	
Conophis vittatus Peters, 1860	Casas-Andreu *et al.* 2004
Leptodeira annulata Linnaeus, 1758	Casas-Andreu *et al.* 2004
Leptodeira maculata Hallowell, 1861	Casas-Andreu *et al.* 2004
Leptodeira nigrofasciata Günter, 1868	Casas-Andreu *et al.* 2004
Manolepis putnami Jan, 1863	Casas-Andreu *et al.* 2004
Rhadinaea decorate Günter, 1858	Casas-Andreu *et al.* 2004
Family Elapidae Boie, 1827	

Table 14. ***Continued.***

Micrurus browni Schmidt et Smith, 1943	Casas-Andreu *et al.* 2004
Family Hydrophiidae Boie, 1827	
Pelamis platurus Linnaeus, 1766	Casas-Andreu *et al.* 2004
Family Leptotyphlopidae Stejnejer, 1892	
Leptotyphlops goudotti Duméril et Bibron, 1844	Casas-Andreu *et al.* 2004
Family Loxocemidae Cope, 1861	
Loxocemus bicolor Cope, 1861	Casas-Andreu *et al.* 2004
Order Testudines Linnaeus, 1758	
Family Cheloniidae Bauer, 1893	
Chelonia agassizi (Boucourt, 1868)	Casas-Andreu *et al.* 2004
Caretta caretta Linnaeus, 1758	Casas-Andreu *et al.* 2004
Eretmochelys imbricada Linnaeus, 1776	Casas-Andreu *et al.* 2004
Lepidochelys olivacea (Eschscholtz, 1829)	Casas-Andreu *et al.* 2004
Family Dermochelyidae Fitzinger, 1843	
Dermochelys coriacea (Vandelli, 1761)	Casas-Andreu *et al.* 2004
Family Emydidae Rafinesque, 1815	
Rhinoclemmys pulcherrima Gray, 1856	Casas-Andreu *et al.* 2004
Rhinoclemmys rubida Cope, 1869	Casas-Andreu *et al.* 2004
Family Kinosternidae Agassiz, 1857	
Kinosternon integrum Le Conte, 1854	Casas-Andreu *et al.* 2004
Kinosternon oaxacae Berry and Iverson, 1980	Casas-Andreu *et al.* 2004

Table 15. Checklist of birds recorded in the marine and coastal areas of Oaxaca, Mexico.

Class Aves Linnaeus, 1758	**Reference**
Order Anseriformes Wagler, 1831	
Family Anatidae Vigors, 1825	
Cairina moschata (Linnaeus, 1758	Binford (1989)
Dendrocygna autumnalis (Linnaeus, 1758)	Binford (1989)
Dendrocygna bicolor (Vieillot, 1816)	Binford (1989)
Anas acuta Linnaeus, 1758	Binford (1989)
Anas americana Gmelin, 1789	Binford (1989)
Anas clypeata Linnaeus, 1758	Binford (1989)
Anas crecca Linnaeus, 1758	Binford (1989)
Anas discors Linnaeus, 1766	Binford (1989)
Anas strepera Linnaeus, 1758	Binford (1989)
Aythya affinis (Eyton, 1838)	Binford (1989)
Aythya collaris (Donovan, 1809)	Binford (1989)
Oxyura jamaicensis (Gmelin, 1789)	Binford (1989)
Order Procellariiformes Fürbringer, 1888	
Family Hydrobatidae Mathews, 1912	
Oceanodroma melania (Bonaparte, 1854)	Binford (1989)
Oceanodroma microsoma (Coues, 1864)	Binford (1989)
Family Procellariidae Boie, 1826	
Puffinus auricularis Townsend, 1890	Navarro-Sigüenza *et al.* (2004)
Puffinus griseus (Gmelin, 1789)	Navarro-Sigüenza *et al.* (2004)
Puffinus Ilherminieri Lesson, 1839	Binford (1989)
Puffinus pacificus (Gmelin, 1789)	Binford (1989)
Order Phaethontiformes Sharpe, 1891	
Family Phaetodontidae Brandt, 1840	
Phaeton aethereus Linnaeus, 1758	Navarro-Sigüenza *et al.* (2004)
Order Suliformes Reichembach, 1849	
Family Fregatidae Garrod, 1874	
Fregata magnificens Mathews, 1914	Binford (1989)
Family Sulidae Reichenbach, 1849	
Sula granti Rothschild, 1902	Binford (1989)
Sula leucogaster (Boddaert, 1783)	Binford (1989)
Sula nebouxii Milne-Edwards 1882	Navarro-Sigüenza *et al.* (2004)
Sula sula (Linnaeus, 1766)	Binford (1989)
Family Phalacrocoracidae Reichenbach, 1850	
Phalacrocorax brasilianus (Gmelin, 1789)	Navarro-Sigüenza *et al.* (2004)
Family Anhingidae Reichenbach, 1849	
Anhinga anhinga (Linnaeus, 1766)	Binford (1989)
Order Pelecaniformes Sharpe, 1891	

TABLE 15. ***CONTINUED.***

Family Pelecanidae Rafinesque, 1815	
Pelecanus occidentalis Linnaeus, 1766	Binford (1989)
Family Ardeidae Leach, 1820	
Ardea alba (Linnaeus, 1758)	Binford (1989)
Ardea herodias Linnaeus, 1758	Binford (1989)
Bubulcus ibis (Linnaeus, 1758)	Binford (1989)
Butorides virescens (Linnaeus, 1758)	Navarro-Sigüenza *et al.* (2004)
Cochlearius cochlearius (Linnaeus, 1766)	Binford (1989)
Egretta caerulea (linnaeus, 1758)	Binford (1989)
Egretta rufescens (Gmelin, 1789)	Binford (1989)
Egretta thula (Molina, 1782)	Binford (1989)
Egretta tricolor (Müller, 1776)	Binford (1989)
Nyctanassa violacea (Linnaeus, 1758)	Navarro-Sigüenza *et al.* (2004)
Nycticorax nycticorax (Linnaeus, 1758)	Binford (1989)
Tigrisoma mexicanum Swainson, 1834	Binford (1989)
Family Threskiornithidae Richmond, 1917	
Eudocimus albus (Linnaeus, 1758)	Binford (1989)
Platalea ajaja Linnaeus, 1758	Binford (1989)
Plegadis chichi (Vieillot, 1817)	Binford (1989)
Order Ciconiiformes Bonaparte, 1854	
Family Ciconiidae Gray, 1840	
Mycteria americana Linnaeus, 1758	Binford (1989)
Order Accipitriformes Vieillot, 1807	
Family Cathartidae Lafresnaye, 1839	
Cathartes aura (Linnaeus, 1758)	Binford (1989)
Coragyps atratus (Bechstein, 1793)	Binford (1989)
Family Pandionidae Bonaparte, 1854	
Pandion haliaetus (Linnaeus, 1758)	Binford (1989)
Family Accipitridae Vieillot, 1816	
Buteo albonotatus Kaup, 1847	Binford (1989)
Buteo jamaicensis (Gmelin, 1788)	Binford (1989)
Buteo magnirostris (Gmelin, 1788)	Binford (1989)
Buteo nitidus (Latham, 1790)	Binford (1989)
Buteo platypterus (Vieillot, 1823)	Binford (1989)
Buteogallus anthracinus (Deppe, 1830)	Binford (1989)
Buteogallus urubitinga (Gmelin, 1788)	Binford (1989)
Rostrhamus sociabilis (Vieillot, 1817)	Binford (1989)
Order Falconiformes Sharpe, 1874	
Family Falconidae Vigors, 1824	
Caracara cheirway (Jacquin, 1784)	Binford (1989)
Falco peregrinus Tunstall, 1771	Binford (1989)
Falco sparverius Linnaeus, 1758	Binford (1989)
Herpetotheres cachinnans (Linnaeus, 1758)	Binford (1989)
Order Charadriiformes Huxley, 1867	
Family Charadriidae Vigors, 1825	
Charadrius alexandrinus Linnaeus, 1758	Binford (1989)
Charadrius collaris Vieillot, 1816	Binford (1989)
Charadrius semipalmatus Bonaparte, 1825	Binford (1989)
Charadrius vociferus Linnaeus, 1758	Binford (1989)
Charadrius wilsonia Ord, 1814	Binford (1989)
Pluvialis dominica (Müller, 1776)	Binford (1989)
Pluvialis squatarola (Linnaeus, 1758)	Binford (1989)
Family Haematopodidae Gray, 1840	
Haematopus palliatus Temminck, 1820.	Binford (1989)
Family Jacanidae Stejneger, 1885	
Jacana spinosa (Linnaeus, 1758)	Binford (1989)
Family Laridae Vigors, 1825	
Chlidonias niger (Linnaeus, 1758)	Binford (1989)
Gelochelidon nilotica Gmelin, 1789	Binford (1989)
Hydroprogne caspia Pallas, 1770	Binford (1989)
Larus argentatus Pontoppidan, 1763	Navarro-Sigüenza *et al.* (2004)
Larus californicus Lawrence, 1854	Navarro-Sigüenza *et al.* (2004)
Larus delawarensis Ord, 1815	Binford (1989)

Table 15. ***Continued.***

Leucophaeus atricilla Linnaeus, 1758	Binford (1989)
Leucophaeus pipixcan Wagler, 1831	Binford (1989)
Onychoprion fuscatus Linnaeus, 1766	Binford (1989)
Rhynchops niger Linnaeus, 1758	Binford (1989)
Stercorarius longicaudus Vieillot, 1819	Binford (1989)
Stercorarius parasiticus (Linnaeus, 1758)	Binford (1989)
Sterna forsteri Nuttall, 1832	Binford (1989)
Sterna hirundo Linnaeus 1758	Binford (1989)
Sternulla antillarum (Lesson, 1847)	Binford (1989)
Thalasseus elegans Gambel, 1849	Binford (1989)
Thalasseus maximus Boddaert, 1783	Binford (1989)
Thalasseus sandvicensis Latham, 1787	Binford (1989)
Family Recurvirostridae Bonaparte, 1854	
Himantopus mexicanus (Müller, 1776)	Binford (1989)
Recurvirostra americana Gmelin, 1789	Binford (1989)
Family Scolpacidae Vigors, 1825	
Actitis macularius (Linnaeus, 1766)	Binford (1989)
Arenaria interpres (Linnaeus, 1758)	Binford (1989)
Calidris alba (Pallas, 1764)	Binford (1989)
Calidris alpina (Linnaeus, 1758)	Binford (1989)
Calidris canutus (Linnaeus, 1758)	Binford (1989)
Calidris mauri (Cabanis, 1857)	Binford (1989)
Calidris minutilla (Vieillot, 1819)	Binford (1989)
Calidris pusilla (Linnaeus, 1766)	Binford (1989)
Gallinago gallinago (Linnaeus, 1758)	Binford (1989)
Limosa fedoa (Linnaeus, 1758)	Binford (1989)
Limosa haemastica (linnaeus, 1758)	Binford (1989)
Limnodromus griseus (Gmelin, 1789)	Binford (1989)
Limnodromus scolopaceus (Say, 1823)	Binford (1989)
Numenius americanus Bechstein, 1812	Binford (1989)
Numenius phaeophus (Linnaeus, 1758)	Binford (1989)
Phalaropus fulicarius (Linnaeus, 1758)	Binford (1989)
Phalaropus lobatus (Linnaeus, 1758)	Binford (1989)
Phalaropus tricolor (Vieillot, 1819)	Binford (1989)
Tringa flavipes (Gmelin, 1789)	Binford (1989)
Tringa melanoleuca (Gmelin, 1789)	Binford (1989)
Tringa semipalmata (Gmelin, 1789)	Binford (1989)
Tringa solitaria Wilson, 1813	Binford (1989)
Order Coraciiformes Forbes, 1884	
Family Alcedinidae Rafinesque, 1815	
Chloroceryle americana (Gmelin, 1788)	Binford (1989)
Megaceryle alcyon (Linnaeus, 1758)	Binford (1989)
Megaceryle torquata (Linnaeus, 1766)	Binford (1989)
Order Passeriformes Linnaeus, 1758	
Family Hirundinidae Linnaeus, 1758	
Progne chalybea (Gmelin, 1789)	Binford (1989)
Progne subis (Linnaeus, 1758)	Binford (1989)
Stelgidopteryx serripennis (Audubon, 1838)	Binford (1989)
Tachycineta albilinea (Lawrence, 1863)	Binford (1989)
Family Icteridae Linneus, 1758	
Quiscalus mexicanus (Gmelin, 1788)	Navarro-Sigüenza *et al.* (2004)
Family Tyrannidae Vigors, 1825	
Myiozetetes similis (Spix, 1825)	Binford (1989)
Pitangus sulphuratus (Linnaeus, 1766)	Binford (1989)
Tyrannus melancholicus Vieillot, 1819	Binford (1989)

Table 16. Checklist of marine mammals recorded in the marine areas of Oaxaca, Mexico.

Phylum Chordata Bateson, 1885	**Reference**
Class Mammalia Linnaeus, 1758	
Order Cetacea Brisson, 1762	
Suborder Mysticeti Cope, 1891	
Family Balaenopteridae Gray, 1864	
Balaenoptera musculus (Linnaeus, 1758)	Lira-Torres (2007)
Megaptera novaeangliae (Borowski, 1781)	Salinas and Ladrón-de-Guevara (1993)
Suborder Odontoceti Flower, 1869	
Family Delphinidae Gray, 1821	
Feresa attenuata Gray, 1875	Salinas and Ladrón-de-Guevara (1993)
Globicephala macrorhynchus Gray, 1843	Salinas and Ladrón-de-Guevara (1993)
Grampus griseus (Cuvier, 1812)	Salinas and Ladrón-de-Guevara (1993)
Orcinus orca (Linnaeus, 1758)	Sánchez-Díaz and Meraz-Hernando (2001)
Pseudorca crassidens (Owen, 1846)	Salinas and Ladrón-de-Guevara (1993)
Stenella attenuata (Gray, 1846)	Salinas and Ladrón-de-Guevara (1993)
Stenella longirostris (Gray, 1828)	Salinas and Ladrón-de-Guevara (1993)
Tursiops truncatus (Montagu, 1821)	Salinas and Ladrón-de-Guevara (1993)
Order Carnivora Bowdich, 1821	
Family Otariidae (Gray, 1825) Gill, 1866	
Zalophus californianus (Lesson, 1828)	Meraz-Hernando (2003)

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LISTS OF SPECIES

Marine and coastal biodiversity of Oaxaca, Mexico

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ERRATUM

PAGES 342-343, within **TABLE 5. Cnidaria:**
The species *Madracis pharensis* (Heller, 1868), *Fungiacyathus marenzelleri* (Vaughan, 1906), *Madrepora oculata* Linnaeus, 1758, *Oculina profunda* Cairns, 1991, *Astrangia costata* Verril, 1866, *Astrangia dentata* Verril, 1866, *Caryophyllia diomedeae* Marenzeller, 1904, *Desmophyllum dianthus* (Esper, 1794), *Lophelia pertusa* (Linnaeus, 1758), *Paracyathus humilis* Verrill, 1870, *Phyllangia consagensis* (Durham and Barnard, 1952), *Phyllangia dispersa* Verril, 1864, *Javania cailleti* (Duchassaing and Michelotti, 1864), *Polymyces montereyensis* (Durham, 1947), *Sphenotrochus hancocki* Durham and Barnard, 1952, *Balanophyllia cedrosensis* Durham, 1947, *Cladopsammia eguchii* (Wells, 1982), *Dendrophyllia oldroydae* Oldroyd, 1924, *Endopachys grayi* Milne-Edwards and Haime, 1848, **should be deleted as valid records from the Oaxaca coast**.

PAGE 347, within **TABLE 8. Annelids:**
The species *Maldanella fibrillata* Chamberlin, 1919 **is not questionable name.**

PAGE 350, within **TABLE 8. Annelids:**
Typhloscolex mülleri, **should be** *Typhloscolex muelleri.*

PAGE 365, within **TABLE 10. Mollusks:**
Hoffmannola hansi (Stearns, 1892), **should be** *Hoffmannola hansi* (Marcus and Marcus 1967); *Dialula sandiegensis*, **should be** *Diaulula sandiegensis.*

We regret these errors.

August 2013